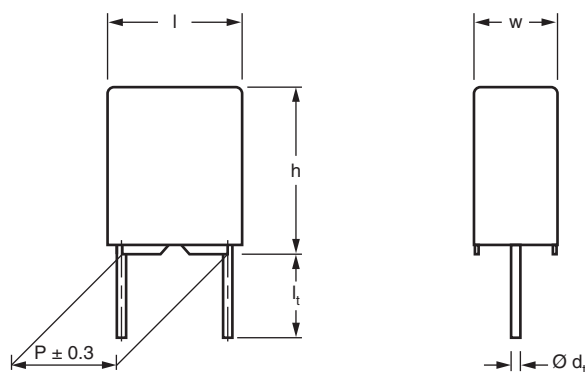


## DC Film Capacitors MKT Radial Potted Type



Dimensions in mm

### APPLICATIONS

Blocking and coupling, bypass and energy reservoir, telecom, industrial, consumer

### REFERENCE STANDARDS

IEC 60384-2

### MARKING

C-value; tolerance; rated voltage; manufacturer's symbol; year and week of manufacturer; manufacturer's type

### DIELECTRIC

Polyester film

### ELECTRODES

Metallized

### CONSTRUCTION

Mono construction



Triple construction for 630 V, 0.00068  $\mu$ F to 0.0018  $\mu$ F



### RATED (DC) VOLTAGE

50 V, 63 V, 250 V, 400 V, 630 V

### RATED (AC) VOLTAGE

32 V, 40 V, 63 V, 160 V, 220 V

### FEATURES

- 5.08 mm lead pitch
- Supplied loose in box, taped on ammpack or reel
- Compliant to RoHS Directive 2002/95/EC



**RoHS**  
COMPLIANT

### ENCAPSULATION

Flame retardant plastic case and epoxy resin (UL-class 94 V-0)

### CLIMATIC TESTING CLASS ACC. TO IEC 60068-1

55/100/56 for rated voltage 50 V and 63 V

55/105/56 for rated voltage > 63 V

### CAPACITANCE RANGE (E12 SERIES)

0.00068  $\mu$ F to 1.5  $\mu$ F

### CAPACITANCE TOLERANCE

$\pm 10 \%$ ,  $\pm 5 \%$

### LEADS

Tinned wire

### RATED TEMPERATURE

85 °C

### MAXIMUM APPLICATION TEMPERATURE

100 °C for rated voltage 50 V and 63 V

105 °C for rated voltage > 63 V

### PERFORMANCE GRADE

Grade 1 (long life)

### DETAIL SPECIFICATION

For more detailed data and test requirements contact:

[dc-film@vishay.com](mailto:dc-film@vishay.com)

## COMPOSITION OF CATALOG NUMBER

| TYPE AND PITCHES |         | CAPACITANCE (numerically) |  |  |  |  | MULTIPLIER (nF) |   |
|------------------|---------|---------------------------|--|--|--|--|-----------------|---|
| 370              | 5.08 mm |                           |  |  |  |  | 0.1             | 2 |
|                  |         |                           |  |  |  |  | 1               | 3 |
|                  |         |                           |  |  |  |  | 10              | 4 |
|                  |         |                           |  |  |  |  | 100             | 5 |

|          |     |    |    |   |
|----------|-----|----|----|---|
| BFC2     | 370 | XX | YY | Y |
| 2222 (*) | 370 | XX | YY | Y |

(\*) Old ordering number

Example:  
104 = 10 x 10 = 100 nF

| TYPE                   | PACKAGING         | LEAD CONFIGURATION                                               | PREFERRED TYPES |      |       |       |       |
|------------------------|-------------------|------------------------------------------------------------------|-----------------|------|-------|-------|-------|
|                        |                   |                                                                  | C-TOL.          | 63 V | 100 V | 250 V | 400 V |
| 370<br>(standard size) | Loose in box      | Lead length<br>4.0 mm + 1.0 mm/- 0.5 mm                          | ± 10 %          | 11   | 21    | 41    | 51    |
|                        |                   |                                                                  | ± 5 %           | 12   | 22    | 42    | 52    |
|                        | Taped on reel (1) | Lead length 26.0 mm ± 2.0 mm                                     | ± 10 %          | 15   | 25    | 45    | 55    |
|                        |                   |                                                                  | ± 5 %           | 16   | 26    | 46    | 56    |
|                        |                   | H = 18.5 mm; P <sub>0</sub> = 12.7 mm;<br>Reel diameter = 356 mm | ± 10 %          | 18   | 28    | 48    | 58    |
|                        |                   |                                                                  | ± 5 %           | 19   | 29    | 49    | 59    |
|                        | Ammopack (2)      | H = 18.5 mm; P <sub>0</sub> = 12.7 mm                            | ± 10 %          | 75   | 85    | 35    | 65    |
|                        |                   |                                                                  | ± 5 %           | 76   | 86    | 36    | 66    |

| TYPE                  | PACKAGING         | LEAD CONFIGURATION                                               | PREFERRED TYPES |       |       |       |       |
|-----------------------|-------------------|------------------------------------------------------------------|-----------------|-------|-------|-------|-------|
|                       |                   |                                                                  | C-TOL.          | 100 V | 250 V | 400 V | 630 V |
| 370<br>(compact size) | Loose in box      | Lead length<br>4.0 mm + 1.0 mm/- 0.5 mm                          | ± 10 %          | CE    | EE    | FE    | GE    |
|                       |                   |                                                                  | ± 5 %           | CF    | EF    | FF    | GF    |
|                       | Taped on reel (1) | Lead length 26.0 mm ± 2.0 mm                                     | ± 10 %          | CH    | EH    | FH    | GH    |
|                       |                   |                                                                  | ± 5 %           | CI    | EI    | FI    | GI    |
|                       |                   | H = 18.5 mm; P <sub>0</sub> = 12.7 mm;<br>Reel diameter = 356 mm | ± 10 %          | CL    | EL    | FL    | GL    |
|                       |                   |                                                                  | ± 5 %           | CM    | EM    | FM    | GM    |
|                       | Ammopack (2)      | H = 18.5 mm; P <sub>0</sub> = 12.7 mm                            | ± 10 %          | CB    | EB    | FB    | GB    |
|                       |                   |                                                                  | ± 5 %           | CC    | EC    | FC    | GC    |

## Notes

(1) Reel diameter = 356 mm is available on request

(2) H = In-tape height; P<sub>0</sub> = Sprocket hole distance; for detailed specifications refer to packaging informationFor detailed tape specifications refer to packaging information: [www.vishay.com/doc?28139](http://www.vishay.com/doc?28139) or end of catalog

## SPECIFIC REFERENCE DATA (Standard size)

| DESCRIPTION                                                                                                  | VALUE                                  |                          |                          |                     |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------|--------------------------|---------------------|
|                                                                                                              | at 1 kHz                               | at 10 kHz                | at 100 kHz               |                     |
| Tangent of loss angle:                                                                                       |                                        |                          |                          |                     |
| C ≤ 0.1 μF                                                                                                   | ≤ 75 x 10 <sup>-4</sup>                | ≤ 130 x 10 <sup>-4</sup> | ≤ 220 x 10 <sup>-4</sup> |                     |
| 0.1 μF < C ≤ 0.47 μF                                                                                         | ≤ 75 x 10 <sup>-4</sup>                | ≤ 130 x 10 <sup>-4</sup> | ≤ 300 x 10 <sup>-4</sup> |                     |
| 0.47 μF < C ≤ 1.5 μF                                                                                         | ≤ 75 x 10 <sup>-4</sup>                | ≤ 130 x 10 <sup>-4</sup> | -                        |                     |
| Rated voltage pulse slope (dU/dt) <sub>R</sub> at                                                            | 50 V <sub>DC</sub> /63 V <sub>DC</sub> | 100 V <sub>DC</sub>      | 250 V <sub>DC</sub>      | 400 V <sub>DC</sub> |
|                                                                                                              | 60 V/μs                                | 110 V/μs                 | 330 V/μs                 | 630 V/μs            |
| R between leads, for C ≤ 0.33 μF                                                                             |                                        |                          |                          |                     |
| at 10 V; 1 min                                                                                               | > 15 000 MΩ                            |                          |                          |                     |
| at 100 V; 1 min                                                                                              |                                        | > 15 000 MΩ              | > 30 000 MΩ              | > 30 000 MΩ         |
| RC between leads                                                                                             |                                        |                          |                          |                     |
| 0.33 μF < C ≤ 1.0 μF at 10 V; 1 min                                                                          | > 5000 s                               |                          |                          |                     |
| C > 1.0 μF at 10 V; 1 min                                                                                    | > 1000 s                               |                          |                          |                     |
| C > 0.33 μF at 100 V; 1 min                                                                                  |                                        | > 5000 s                 |                          |                     |
| R between interconnecting leads and case (foil method)                                                       | > 30 000 MΩ                            | > 30 000 MΩ              | > 30 000 MΩ              | > 30 000 MΩ         |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time ≤ 1000 V/s<br>rise time 100 V/s | 100 V; 1 min                           | 160 V; 1 min             | 400 V; 1 min             | 640 V; 1 min        |
| Withstanding (DC) voltage between leads and case                                                             | 200 V; 1 min                           | 200 V; 1 min             | 500 V; 1 min             | 800 V; 1 min        |
| Maximum application temperature                                                                              | 100 °C                                 | 105 °C                   |                          |                     |

## Note

(1) See "Voltage Proof Test for Metallized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)



# DC Film Capacitors MKT Radial Potted Type

Vishay BCcomponents

**SPECIFIC REFERENCE DATA** (Compact size)

| DESCRIPTION                                                                                                       | VALUE                    |                           |                           |                      |
|-------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|---------------------------|----------------------|
|                                                                                                                   | at 1 kHz                 | at 10 kHz                 | at 100 kHz                |                      |
| Tangent of loss angle:                                                                                            |                          |                           |                           |                      |
| $C \leq 0.1 \mu\text{F}$                                                                                          | $\leq 75 \times 10^{-4}$ | $\leq 130 \times 10^{-4}$ | $\leq 220 \times 10^{-4}$ |                      |
| $0.1 \mu\text{F} < C \leq 0.47 \mu\text{F}$                                                                       | $\leq 75 \times 10^{-4}$ | $\leq 130 \times 10^{-4}$ | $\leq 300 \times 10^{-4}$ |                      |
| $C > 0.47 \mu\text{F}$                                                                                            | $\leq 75 \times 10^{-4}$ | $\leq 130 \times 10^{-4}$ | -                         |                      |
| Rated voltage pulse slope $(dU/dt)_R$ at                                                                          | 100 V <sub>DC</sub>      | 250 V <sub>DC</sub>       | 400 V <sub>DC</sub>       | 630 V <sub>DC</sub>  |
|                                                                                                                   | 37 V/ $\mu\text{s}$      | 44 V/ $\mu\text{s}$       | 200 V/ $\mu\text{s}$      | 540 V/ $\mu\text{s}$ |
| R between leads, for $C \leq 0.33 \mu\text{F}$<br>at 100 V; 1 min                                                 | > 15 000 M $\Omega$      | > 30 000 M $\Omega$       | > 30 000 M $\Omega$       | > 30 000 M $\Omega$  |
| RC between leads<br>$C > 0.33 \mu\text{F}$ at 100 V; 1 min                                                        | > 5000 s                 |                           |                           |                      |
| R between interconnecting leads and case (foil method)                                                            | > 30 000 M $\Omega$      | > 30 000 M $\Omega$       | > 30 000 M $\Omega$       | > 30 000 M $\Omega$  |
| Withstanding (DC) voltage (cut off current 10 mA) <sup>(1)</sup> ; rise time $\leq 1000$ V/s<br>rise time 100 V/s | 160 V; 1 min             | 400 V; 1 min              | 640 V; 1 min              | 1008 V; 1 min        |
| Withstanding (DC) voltage between leads and case                                                                  | 200 V; 1 min             | 500 V; 1 min              | 800 V; 1 min              | 1260 V; 1 min        |
| Maximum application temperature                                                                                   | 100 °C                   | 105 °C                    |                           |                      |

**Note**(1) See "Voltage Proof Test for Metallized Film Capacitors": [www.vishay.com/doc?28169](http://www.vishay.com/doc?28169)**U<sub>RDC</sub> = 63 V; U<sub>RAC</sub> = 40 V**

| C<br>(μF)                                                     | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                   |                    |                   |                    |                   |                    |                   | C-VALUE |
|---------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|---------|
|                                                               |                                 |                            | AMMOPACK                                    |                   | LOOSE IN BOX       |                   |                    |                   | REEL               |                   |         |
|                                                               |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                   | Short leads        |                   | Long leads         |                   |                    |                   |         |
|                                                               |                                 |                            | C-tol. =<br>± 10 %                          | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % |         |
|                                                               |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       |         |
| Pitch = 5.08 mm ± 0.30 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.056                                                         | 2.5 x 6.5 x 7.2                 | 0.18                       |                                             |                   |                    |                   |                    |                   |                    |                   | 563     |
| 0.068                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 683     |
| 0.082                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 823     |
| 0.10                                                          |                                 |                            | 75...                                       | 76...             | 11...              | 12...             | 15...              | 16...             | 18...              | 19...             | 104     |
| 0.12                                                          |                                 |                            | (2000)                                      | (2000)            | (2000)             | (2000)            | (1000)             | (1000)            | (2000)             | (2000)            | 124     |
| 0.15                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 154     |
| 0.18                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    | 184               |         |
| 0.22                                                          | 3.5 x 8.0 x 7.2                 | 0.3                        |                                             |                   |                    |                   |                    |                   |                    |                   | 224     |
| 0.27                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 274     |
| 0.33                                                          |                                 |                            | 75...                                       | 76...             | 11...              | 12...             | 15...              | 16...             | 18...              | 19...             | 334     |
| 0.39                                                          |                                 |                            | (1500)                                      | (1500)            | (2000)             | (2000)            | (1000)             | (1000)            | (1500)             | (1500)            | 394     |
| 0.47                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 474     |
| 0.56                                                          | 4.5 x 9.0 x 7.2                 | 0.42                       | 75...                                       | 76...             | 11...              | 12...             | 15...              | 16...             | 18...              | 19...             | 564     |
| 0.68                                                          |                                 |                            | (1000)                                      | (1000)            | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 684     |
| 0.82                                                          | 6.0 x 11.0 x 7.2                | 0.64                       |                                             |                   |                    |                   |                    |                   |                    |                   | 824     |
| 1.0                                                           |                                 |                            | 75...                                       | 76...             | 11...              | 12...             | 15...              | 16...             | 18...              | 19...             | 105     |
| 1.2 <sup>(2)</sup>                                            |                                 |                            | (750)                                       | (750)             | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 125     |
| 1.5 <sup>(2)</sup>                                            |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 155     |

**Notes**

• SPQ = Standard Packing Quantity

(1) Weight for short lead product only

(2) For C = 1.2  $\mu\text{F}$  and C = 1.5  $\mu\text{F}$ : U<sub>RDC</sub> = 50 V and U<sub>RAC</sub> = 32 V

$U_{RDC} = 100 \text{ V}$ ;  $U_{RAC} = 63 \text{ V}$  (standard size)

| C<br>(μF)                                                     | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                   |                    |                   |                    |                   |                    |                   |         |
|---------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|---------|
|                                                               |                                 |                            | AMMOPACK                                    |                   | LOOSE IN BOX       |                   |                    |                   | REEL               |                   | C-VALUE |
|                                                               |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                   | Short leads        |                   | Long leads         |                   |                    |                   |         |
|                                                               |                                 |                            | C-tol. =<br>± 10 %                          | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % |         |
|                                                               |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       |         |
| Pitch = 5.08 mm ± 0.30 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.0010                                                        | 2.5 x 6.5 x 7.2                 | 0.18                       | 85...<br>(2000)                             | 86...<br>(2000)   | 21...<br>(2000)    | 22...<br>(2000)   | 25...<br>(1000)    | 26...<br>(1000)   | 28...<br>(2000)    | 29...<br>(2000)   | 102     |
| 0.0012                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 122     |
| 0.0015                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 152     |
| 0.0018                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 182     |
| 0.0022                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 222     |
| 0.0027                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 272     |
| 0.0033                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 332     |
| 0.0039                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 392     |
| 0.0047                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 472     |
| 0.0056                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 562     |
| 0.0068                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 682     |
| 0.0082                                                        |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 822     |
| 0.010                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 103     |
| 0.012                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 123     |
| 0.015                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 153     |
| 0.018                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 183     |
| 0.022                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 223     |
| 0.027                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 273     |
| 0.033                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 333     |
| 0.039                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 393     |
| 0.047                                                         | 473                             |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.056                                                         | 563                             |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.068                                                         | 683                             |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.082                                                         | 823                             |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.10                                                          | 104                             |                            |                                             |                   |                    |                   |                    |                   |                    |                   |         |
| 0.12                                                          | 3.5 x 8.0 x 7.2                 | 0.30                       | 85...<br>(1500)                             | 86...<br>(1500)   | 21...<br>(2000)    | 22...<br>(2000)   | 25...<br>(1000)    | 26...<br>(1000)   | 28...<br>(1500)    | 29...<br>(1500)   | 124     |
| 0.15                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 154     |
| 0.18                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 184     |
| 0.22                                                          | 4.5 x 9.0 x 7.2                 | 0.42                       | 85...<br>(1000)                             | 86...<br>(1000)   | 21...<br>(2000)    | 22...<br>(2000)   | 25...<br>(1000)    | 26...<br>(1000)   | 28...<br>(1000)    | 29...<br>(1000)   | 224     |
| 0.27                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 274     |
| 0.33                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 334     |
| 0.39                                                          | 6.0 x 11.0 x 7.2                | 0.64                       | 85...<br>(750)                              | 86...<br>(750)    | 21...<br>(2000)    | 22...<br>(2000)   | 25...<br>(1000)    | 26...<br>(1000)   | 28...<br>(1000)    | 29...<br>(1000)   | 394     |
| 0.47                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 474     |

**Notes**

- SPQ = Standard Packing Quantity

<sup>(1)</sup> Weight for short lead product only

DC Film Capacitors  
MKT Radial Potted Type

Vishay BCcomponents

 $U_{RDC} = 100\text{ V}$ ;  $U_{RAC} = 40\text{ V}$  (compact size)

| C<br>( $\mu$ F)                                                       | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                       |                        |                       |                        |                       |                        |                       | C-VALUE<br>..YYY |
|-----------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------|
|                                                                       |                                 |                            | AMMOPACK                                    |                       | LOOSE IN BOX           |                       |                        |                       | REEL                   |                       |                  |
|                                                                       |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                       | Short leads            |                       | Long leads             |                       |                        |                       |                  |
|                                                                       |                                 |                            | C-tol. =<br>$\pm$ 10 %                      | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % |                  |
|                                                                       |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           |                  |
| Pitch = 5.08 mm $\pm$ 0.30 mm; d <sub>t</sub> = 0.50 mm $\pm$ 0.05 mm |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                  |
| 0.12                                                                  | 3.5 x 8.0 x 7.2                 | 0.30                       | CB...<br>(1500)                             | CC...<br>(1500)       | CE...<br>(2000)        | CF...<br>(2000)       | CH...<br>(1000)        | CI...<br>(1000)       | CL...<br>(1500)        | CM...<br>(1500)       | 124              |
| 0.15                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 154              |
| 0.18                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 184              |
| 0.22                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 224              |
| 0.27                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 274              |
| 0.33                                                                  | 334                             |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                  |
| 0.39                                                                  | 4.5 x 9.0 x 7.2                 | 0.42                       | CB...<br>(1000)                             | CC...<br>(1000)       | CE...<br>(2000)        | CF...<br>(2000)       | CH...<br>(1000)        | CI...<br>(1000)       | CL...<br>(1000)        | CM...<br>(1000)       | 394              |
| 0.47                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 474              |
| 0.56                                                                  | 6.0 x 11.0 x 7.2                | 0.64                       | CB...<br>(750)                              | CC...<br>(750)        | CE...<br>(2000)        | CF...<br>(2000)       | CH...<br>(1000)        | CI...<br>(1000)       | CL...<br>(1000)        | CM...<br>(1000)       | 564              |

## Notes

- SPQ = Standard Packing Quantity
- <sup>(1)</sup> Weight for short lead product only

 $U_{RDC} = 250\text{ V}$ ;  $U_{RAC} = 160\text{ V}$  (standard size)

| C<br>( $\mu$ F)                                                                                                                                          | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                       |                        |                       |                        |                       |                        |                       | C-VALUE<br>..YYY                                                                                             |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
|                                                                                                                                                          |                                 |                            | AMMOPACK                                    |                       | LOOSE IN BOX           |                       |                        |                       | REEL                   |                       |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|                                                                                                                                                          |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                       | Short leads            |                       | Long leads             |                       |                        |                       |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|                                                                                                                                                          |                                 |                            | C-tol. =<br>$\pm 10\%$                      | C-tol. =<br>$\pm 5\%$ | C-tol. =<br>$\pm 10\%$ | C-tol. =<br>$\pm 5\%$ | C-tol. =<br>$\pm 10\%$ | C-tol. =<br>$\pm 5\%$ | C-tol. =<br>$\pm 10\%$ | C-tol. =<br>$\pm 5\%$ |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|                                                                                                                                                          |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Pitch = 5.08 mm $\pm$ 0.30 mm; d <sub>t</sub> = 0.50 mm $\pm$ 0.05 mm                                                                                    |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| 0.0010<br>0.0012<br>0.0015<br>0.0018<br>0.0022<br>0.0027<br>0.0033<br>0.0039<br>0.0047<br>0.0056<br>0.0068<br>0.0082<br>0.010<br>0.012<br>0.015<br>0.018 | 2.5 x 6.5 x 7.2                 | 0.18                       | 35...<br>(2000)                             | 36...<br>(2000)       | 41...<br>(2000)        | 42...<br>(2000)       | 45...<br>(1000)        | 46...<br>(1000)       | 48...<br>(2000)        | 49...<br>(2000)       | 102<br>122<br>152<br>182<br>222<br>272<br>332<br>392<br>472<br>562<br>682<br>822<br>103<br>123<br>153<br>183 |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| 0.022<br>0.027<br>0.033                                                                                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 3.5 x 8.0 x 7.2                                                                                              | 0.30 | 35...<br>(1500) | 36...<br>(1500) | 41...<br>(2000) | 42...<br>(2000) | 45...<br>(1000) | 46...<br>(1000) | 48...<br>(1500) | 49...<br>(1500) | 223<br>273<br>333 |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| 0.039<br>0.047<br>0.056                                                                                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 | 4.5 x 9.0 x 7.2   | 0.42 | 35...<br>(1000) | 36...<br>(1000) | 41...<br>(2000) | 42...<br>(2000) | 45...<br>(1000) | 46...<br>(1000) | 48...<br>(1000) | 49...<br>(1000) | 393<br>473<br>563 |
| 0.068<br>0.082<br>0.10                                                                                                                                   |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                                                                                                              |      |                 |                 |                 |                 |                 |                 |                 |                 |                   |      |                 |                 |                 |                 |                 |                 |                 |                 | 6.0 x 11.0 x 7.2  |

## Notes

- SPQ = Standard Packing Quantity
- <sup>(1)</sup> Weight for short lead product only

$U_{RDC} = 250 \text{ V}$ ;  $U_{RAC} = 63 \text{ V}$  (compact size)

| C<br>(μF)                                                     | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                   |                    |                   |                    |                   |                    |                   | C-VALUE<br>..YYY |
|---------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|------------------|
|                                                               |                                 |                            | AMMOPACK                                    |                   | LOOSE IN BOX       |                   |                    |                   | REEL               |                   |                  |
|                                                               |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                   | Short leads        |                   | Long leads         |                   |                    |                   |                  |
|                                                               |                                 |                            | C-tol. =<br>± 10 %                          | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % |                  |
|                                                               |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       |                  |
| Pitch = 5.08 mm ± 0.30 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   |                  |
| 0.022                                                         | 2.5 x 6.5 x 7.2                 | 0.18                       | EB...                                       | EC...             | EE...              | EF...             | EH...              | EI...             | EL...              | EM...             | 223              |
| 0.027                                                         |                                 |                            | (2000)                                      | (2000)            | (2000)             | (2000)            | (1000)             | (1000)            | (2000)             | (2000)            | 273              |
| 0.033                                                         | 3.5 x 8.0 x 7.2                 | 0.30                       | EB...                                       | EC...             | EE...              | EF...             | EH...              | EI...             | EL...              | EM...             | 333              |
| 0.039                                                         |                                 |                            | (1500)                                      | (1500)            | (2000)             | (2000)            | (1000)             | (1000)            | (1500)             | (1500)            | 393              |
| 0.047                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 473              |
| 0.056                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 563              |
| 0.068                                                         |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 683              |
| 0.082                                                         | 4.5 x 9.0 x 7.2                 | 0.42                       | EB...                                       | EC...             | EE...              | EF...             | EH...              | EI...             | EL...              | EM...             | 823              |
| 0.10                                                          |                                 |                            | (1000)                                      | (1000)            | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 104              |
| 0.12                                                          | 6.0 x 11.0 x 7.2                | 0.64                       | EB...                                       | EC...             | EE...              | EF...             | EH...              | EI...             | EL...              | EM...             | 124              |
| 0.15                                                          |                                 |                            | (750)                                       | (750)             | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 154              |
| 0.18                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 184              |
| 0.22                                                          |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   | 224              |

**Notes**

- SPQ = Standard Packing Quantity

(1) Weight for short lead product only

 $U_{RDC} = 400 \text{ V}$ ;  $U_{RAC} = 220 \text{ V}$  (standard size)

| CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING                   |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   |         |
|---------------------------------------------------------------|---------------------------------|----------------------------|------------------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|---------|
| C<br>(μF)                                                     | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | AMMOPACK                                 |                   | LOOSE IN BOX       |                   |                    |                   | REEL               |                   | C-VALUE |
|                                                               |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm |                   | Short leads        |                   | Long leads         |                   |                    |                   |         |
|                                                               |                                 |                            | C-tol. =<br>± 10 %                       | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % |         |
|                                                               |                                 |                            | XX<br>(SPQ)                              | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       |         |
| Pitch = 5.08 mm ± 0.30 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   |         |
| 0.0010                                                        | 2.5 x 6.5 x 7.2                 | 0.18                       |                                          |                   |                    |                   |                    |                   |                    |                   | 102     |
| 0.0012                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 122     |
| 0.0015                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 152     |
| 0.0018                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 182     |
| 0.0022                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 222     |
| 0.0027                                                        |                                 |                            | 65...                                    | 66...             | 51...              | 52...             | 55...              | 56...             | 58...              | 59...             | 272     |
| 0.0033                                                        |                                 |                            | (2000)                                   | (2000)            | (2000)             | (2000)            | (1000)             | (1000)            | (2000)             | (2000)            | 332     |
| 0.0039                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 392     |
| 0.0047                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 472     |
| 0.0056                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    | 562               |         |
| 0.0068                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    | 682               |         |
| 0.0082                                                        |                                 |                            |                                          |                   |                    |                   |                    |                   |                    | 822               |         |
| 0.010                                                         | 3.5 x 8.0 x 7.2                 | 0.30                       | 65...                                    | 66...             | 51...              | 52...             | 55...              | 56...             | 58...              | 59...             | 103     |
| 0.012                                                         |                                 |                            | (1500)                                   | (1500)            | (2000)             | (2000)            | (1000)             | (1000)            | (1500)             | (1500)            | 123     |
| 0.015                                                         |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 153     |
| 0.018                                                         | 4.5 x 9.0 x 7.2                 | 0.42                       | 65...                                    | 66...             | 51...              | 52...             | 55...              | 56...             | 58...              | 59...             | 183     |
| 0.022                                                         |                                 |                            | (1000)                                   | (1000)            | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 223     |
| 0.027                                                         |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 273     |
| 0.033                                                         | 6.0 x 11.0 x 7.2                | 0.64                       | 65...                                    | 66...             | 51...              | 52...             | 55...              | 56...             | 58...              | 59...             | 333     |
| 0.039                                                         |                                 |                            | (750)                                    | (750)             | (2000)             | (2000)            | (1000)             | (1000)            | (1000)             | (1000)            | 393     |
| 0.047                                                         |                                 |                            |                                          |                   |                    |                   |                    |                   |                    |                   | 473     |

**Notes**

- SPQ = Standard Packing Quantity

(1) Weight for short lead product only

DC Film Capacitors  
MKT Radial Potted Type

Vishay BCcomponents

 $U_{RDC} = 400 \text{ V}$ ;  $U_{RAC} = 160 \text{ V}$  (compact size)

| C<br>(μF)                                                     | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                   |                    |                   |                    |                   |                    |                   | C-VALUE<br><br>..YYY     |
|---------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------------|
|                                                               |                                 |                            | AMMOPACK                                    |                   | LOOSE IN BOX       |                   |                    |                   | REEL               |                   |                          |
|                                                               |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                   | Short leads        |                   | Long leads         |                   |                    |                   |                          |
|                                                               |                                 |                            | C-tol. =<br>± 10 %                          | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % | C-tol. =<br>± 10 % | C-tol. =<br>± 5 % |                          |
|                                                               |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       | XX<br>(SPQ)        | XX<br>(SPQ)       |                          |
| Pitch = 5.08 mm ± 0.30 mm; d <sub>t</sub> = 0.50 mm ± 0.05 mm |                                 |                            |                                             |                   |                    |                   |                    |                   |                    |                   |                          |
| 0.010<br>0.012<br>0.015<br>0.018                              | 2.5 x 6.5 x 7.2                 | 0.18                       | FB...<br>(2000)                             | FC...<br>(2000)   | FE...<br>(2000)    | FF...<br>(2000)   | FH...<br>(1000)    | FI...<br>(1000)   | FL...<br>(2000)    | FM...<br>(2000)   | 103<br>123<br>153<br>183 |
| 0.022<br>0.027<br>0.033<br>0.039                              | 3.5 x 8.0 x 7.2                 | 0.30                       | FB...<br>(1500)                             | FC...<br>(1500)   | FE...<br>(2000)    | FF...<br>(2000)   | FH...<br>(1000)    | FI...<br>(1000)   | FL...<br>(1500)    | FM...<br>(1500)   | 223<br>273<br>333<br>393 |
| 0.047<br>0.056                                                | 4.5 x 9.0 x 7.2                 | 0.42                       | FB...<br>(1000)                             | FC...<br>(1000)   | FE...<br>(2000)    | FF...<br>(2000)   | FH...<br>(1000)    | FI...<br>(1000)   | FL...<br>(1000)    | FM...<br>(1000)   | 473<br>563               |
| 0.068<br>0.082<br>0.10                                        | 6.0 x 11.0 x 7.2                | 0.64                       | FB...<br>(750)                              | FC...<br>(750)    | FE...<br>(2000)    | FF...<br>(2000)   | FH...<br>(1000)    | FI...<br>(1000)   | FL...<br>(1000)    | FM...<br>(1000)   | 683<br>823<br>104        |

## Notes

- SPQ = Standard Packing Quantity

<sup>(1)</sup> Weight for short lead product only $U_{RDC} = 630 \text{ V}$ ;  $U_{RAC} = 220 \text{ V}$  (compact size)

| C<br>( $\mu$ F)                                                                                                                                                        | DIMENSIONS<br>w x h x l<br>(mm) | MASS<br>(g) <sup>(1)</sup> | CATALOG NUMBER BFC2 370 XYYYY AND PACKAGING |                       |                        |                       |                        |                       |                        |                       | C-VALUE                                                                                                             |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|---------------------------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|
|                                                                                                                                                                        |                                 |                            | AMMOPACK                                    |                       | LOOSE IN BOX           |                       |                        |                       | REEL                   |                       |                                                                                                                     |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
|                                                                                                                                                                        |                                 |                            | H = 18.5 mm;<br>P <sub>0</sub> = 12.7 mm    |                       | Short leads            |                       | Long leads             |                       |                        |                       |                                                                                                                     |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
|                                                                                                                                                                        |                                 |                            | C-tol. =<br>$\pm$ 10 %                      | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % | C-tol. =<br>$\pm$ 10 % | C-tol. =<br>$\pm$ 5 % |                                                                                                                     |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
|                                                                                                                                                                        |                                 |                            | XX<br>(SPQ)                                 | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           | XX<br>(SPQ)            | XX<br>(SPQ)           |                                                                                                                     | ..YYY |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
| Pitch = 5.08 mm $\pm$ 0.30 mm; d <sub>t</sub> = 0.50 mm $\pm$ 0.05 mm                                                                                                  |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                                                                                                                     |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
| 0.00068<br>0.00082<br>0.0010<br>0.0012<br>0.0015<br>0.0018<br>0.002<br>0.0022<br>0.0024<br>0.0027<br>0.0033<br>0.0039<br>0.0047<br>0.0056<br>0.0068<br>0.0082<br>0.010 | 3.5 x 8.0 x 7.2                 | 0.35                       | GB...<br>(1500)                             | GC...<br>(1500)       | GE...<br>(2000)        | GF...<br>(2000)       | GH...<br>(1000)        | GI...<br>(1000)       | GL...<br>(1500)        | GM...<br>(1500)       | 681<br>821<br>102<br>122<br>152<br>182<br>202<br>222<br>242<br>272<br>332<br>392<br>472<br>562<br>682<br>822<br>103 |       |                 |                 |                 |                 |                 |                 |                 |                 |                  |      |                |                |                 |                 |                 |                 |                 |                 |                          |
| 0.012<br>0.015                                                                                                                                                         |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       | 4.5 x 9.0 x 7.2                                                                                                     | 0.45  | GB...<br>(1000) | GC...<br>(1000) | GE...<br>(2000) | GF...<br>(2000) | GH...<br>(1000) | GI...<br>(1000) | GL...<br>(1000) | GM...<br>(1000) | 123<br>153       |      |                |                |                 |                 |                 |                 |                 |                 |                          |
| 0.018<br>0.022<br>0.027<br>0.033                                                                                                                                       |                                 |                            |                                             |                       |                        |                       |                        |                       |                        |                       |                                                                                                                     |       |                 |                 |                 |                 |                 |                 |                 |                 | 6.0 x 11.0 x 7.2 | 0.65 | GB...<br>(750) | GC...<br>(750) | GE...<br>(2000) | GF...<br>(2000) | GH...<br>(1000) | GI...<br>(1000) | GL...<br>(1000) | GM...<br>(1000) | 183<br>223<br>273<br>333 |

## Notes

- SPQ = Standard Packing Quantity

<sup>(1)</sup> Weight for short lead product only

## MOUNTING

### Normal Use

The capacitors are designed for mounting on printed-circuit boards. The capacitors packed in bandoliers are designed for mounting in printed-circuit boards by means of automatic insertion machines.

For detailed tape specifications refer to packaging information: [www.vishay.com/doc?28139](http://www.vishay.com/doc?28139) or end of catalog.

### Specific Method of Mounting to Withstand Vibration and Shock

In order to withstand vibration and shock tests, it must be ensured that stand-off pips are in good contact with the printed-circuit board:

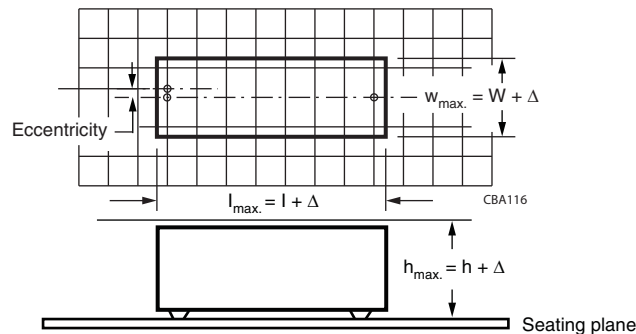
- For pitches  $\leq 15$  mm capacitors shall be mechanically fixed by the leads
- For larger pitches the capacitors shall be mounted in the same way and the body clamped

### Space Requirements on Printed Circuit Board

The maximum space for length ( $l_{max.}$ ), width ( $w_{max.}$ ) and height ( $h_{max.}$ ) of film capacitors to take in account on the printed circuit board is shown in the drawings.

- For products with pitch  $\leq 15$  mm,  $\Delta w = \Delta l = 0.3$  mm;  $\Delta h = 0.1$  mm

Eccentricity defined as in drawing. The maximum eccentricity is smaller than or equal to the lead diameter of the product concerned.



## SOLDERING CONDITIONS

For general soldering conditions and wave soldering profile, we refer to the application note:

“Soldering Guidelines for Film Capacitors”: [www.vishay.com/doc?28171](http://www.vishay.com/doc?28171)

### Storage Temperature

- Storage temperature:  $T_{stg} = -25\text{ °C}$  to  $+35\text{ °C}$  with relative humidity of maximum 75 % without condensation

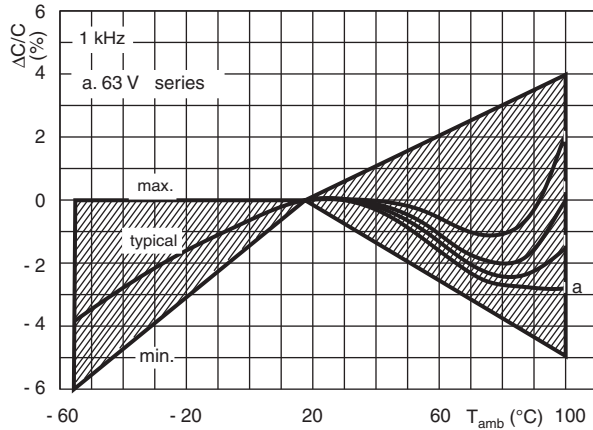
### Ratings and Characteristics Reference Conditions

Unless otherwise specified, all electrical values apply to an ambient temperature of  $23\text{ °C} \pm 1\text{ °C}$ , an atmospheric pressure of 86 kPa to 106 kPa and a relative humidity of  $50\% \pm 2\%$ .

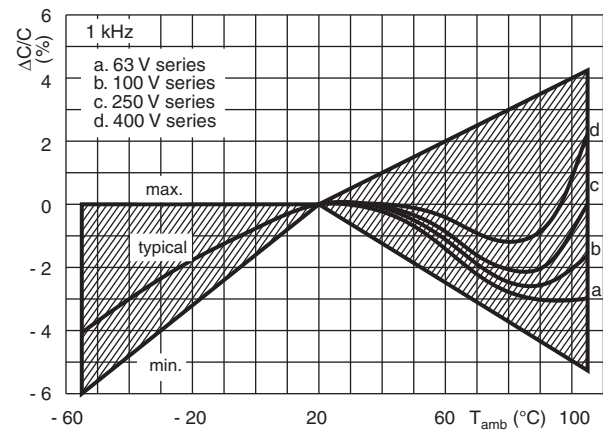
For reference testing, a conditioning period shall be applied over  $96\text{ h} \pm 4\text{ h}$  by heating the products in a circulating air oven at the rated temperature and a relative humidity not exceeding 20 %.

## CHARACTERISTICS

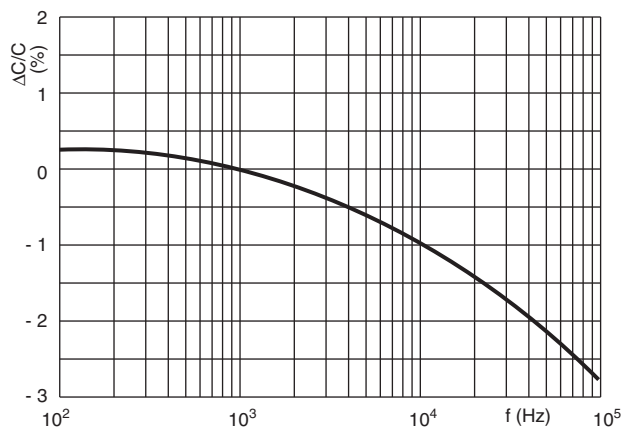
Capacitance as a function of ambient temperature (typical curve)  
for voltage 63 V



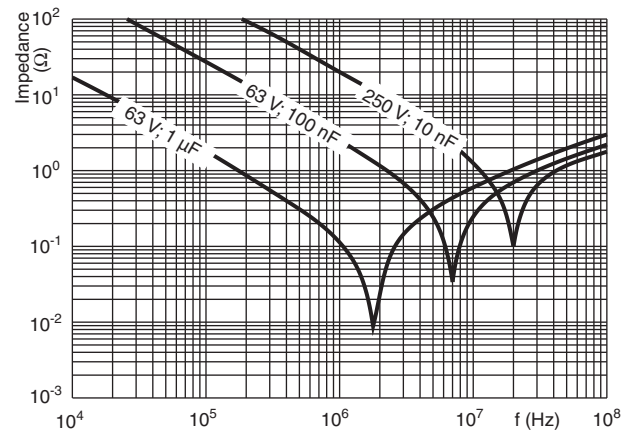
Capacitance as a function of ambient temperature (typical curve)  
for voltages > 63 V



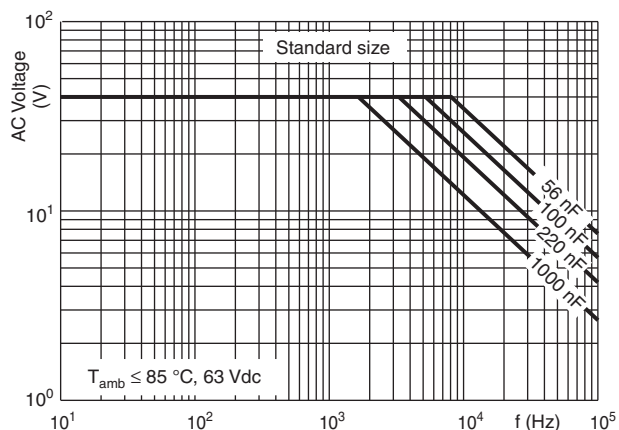
Capacitance as a function of frequency (typical curve)



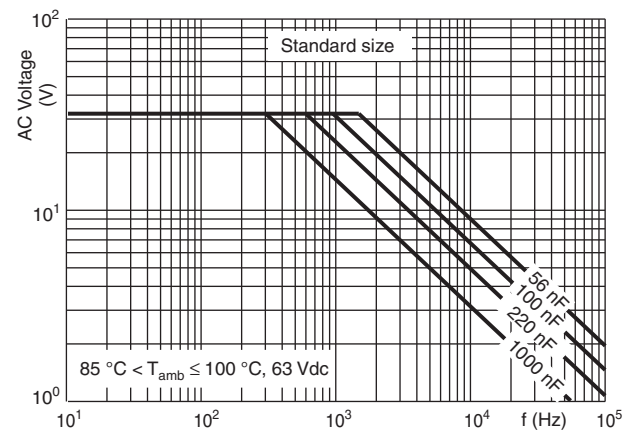
Impedance as a function of frequency



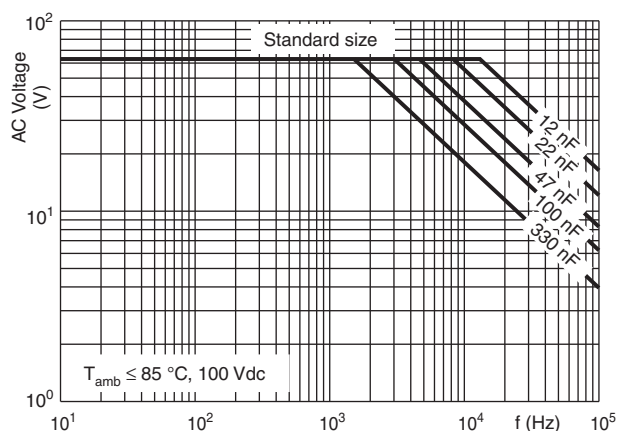
Max. AC voltage as a function of frequency



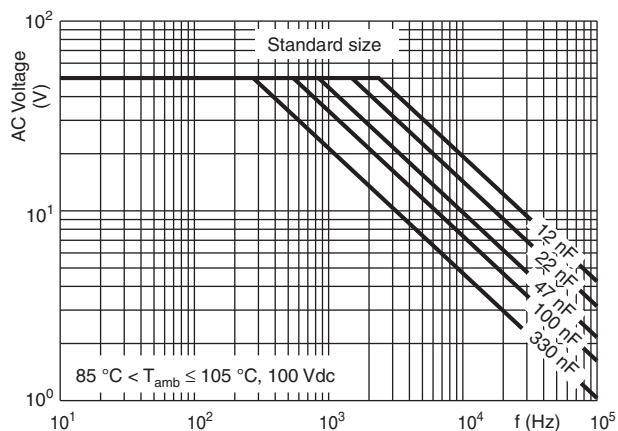
Max. AC voltage as a function of frequency



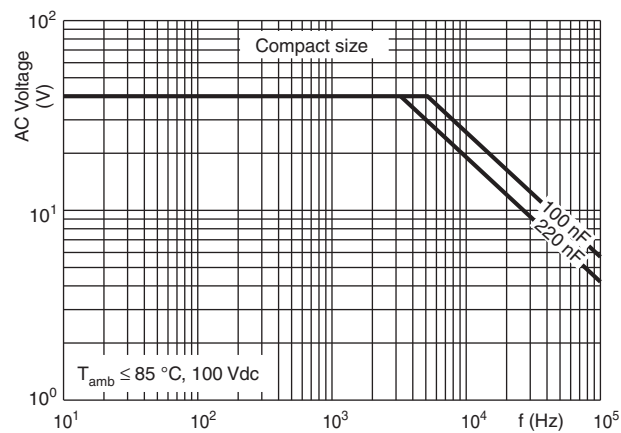
Max. AC voltage as a function of frequency



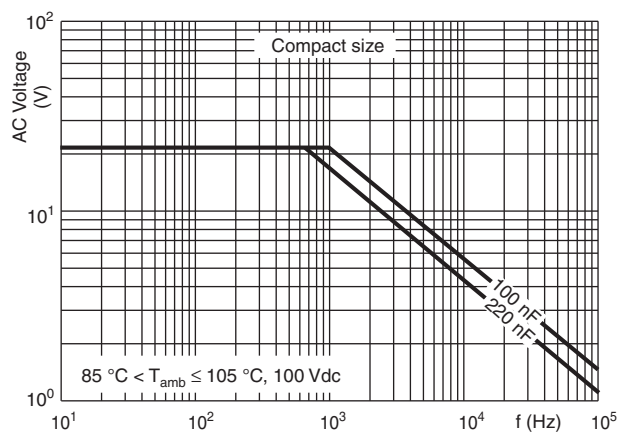
Max. AC voltage as a function of frequency



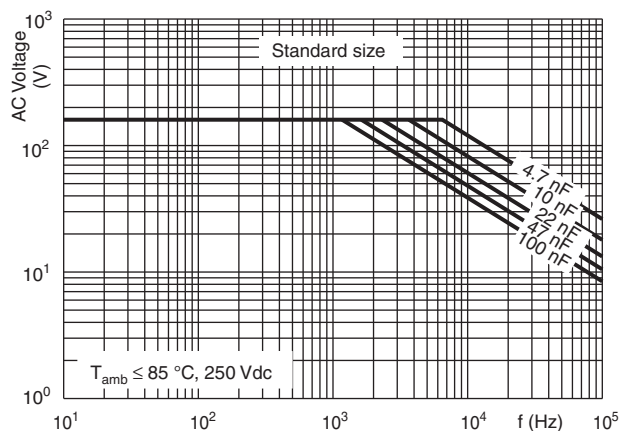
Max. AC voltage as a function of frequency



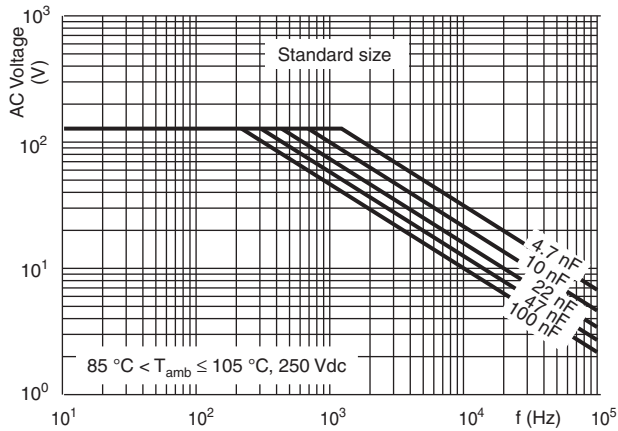
Max. AC voltage as a function of frequency



Max. AC voltage as a function of frequency



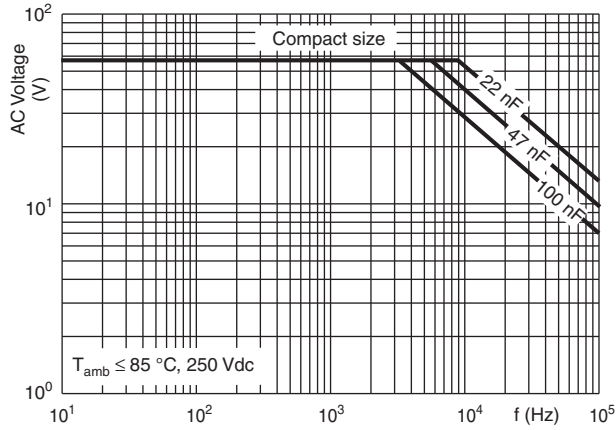
Max. AC voltage as a function of frequency



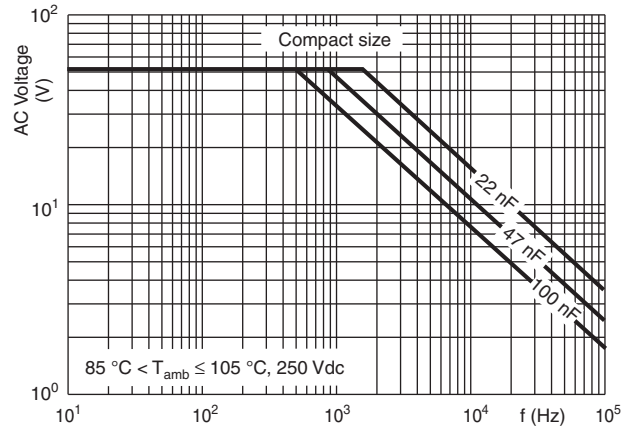
# DC Film Capacitors MKT Radial Potted Type

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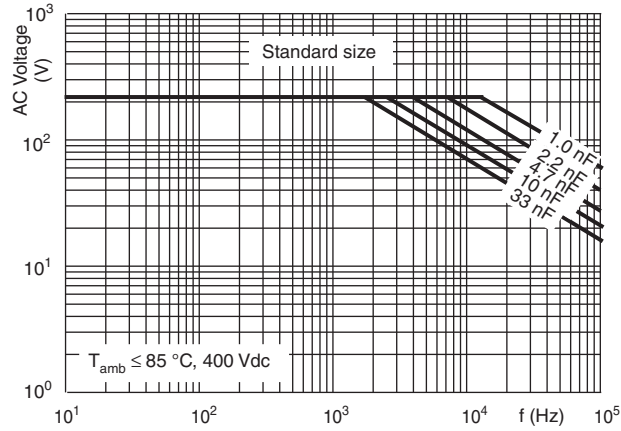
Max. AC voltage as a function of frequency



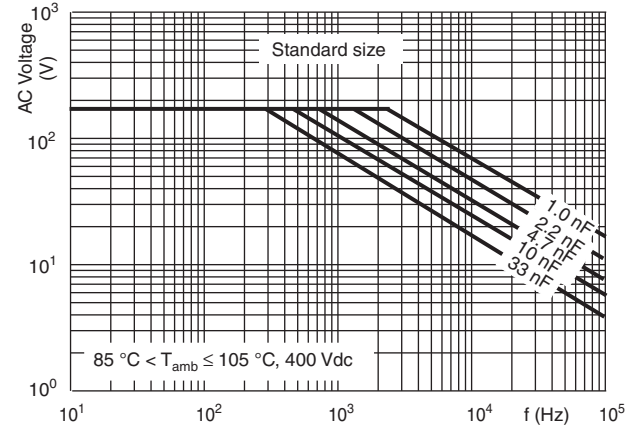
Max. AC voltage as a function of frequency



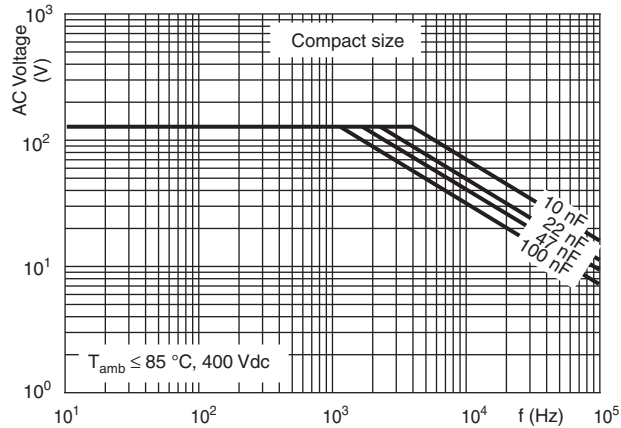
Max. AC voltage as a function of frequency



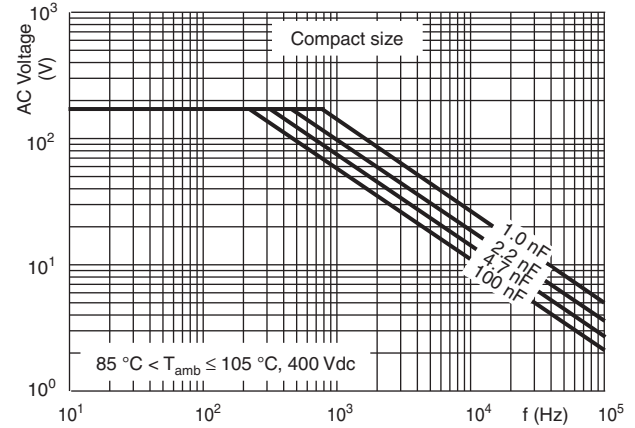
Max. AC voltage as a function of frequency



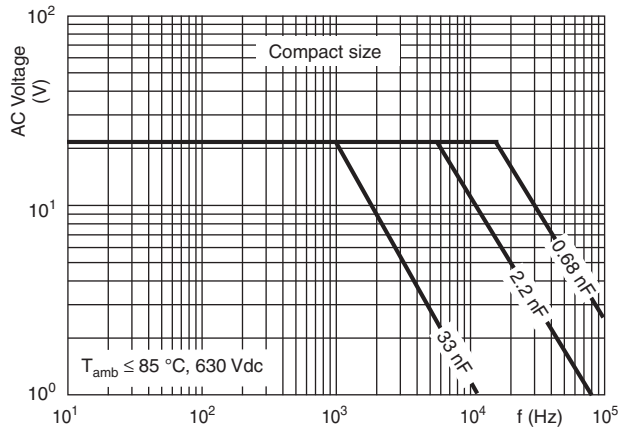
Max. AC voltage as a function of frequency



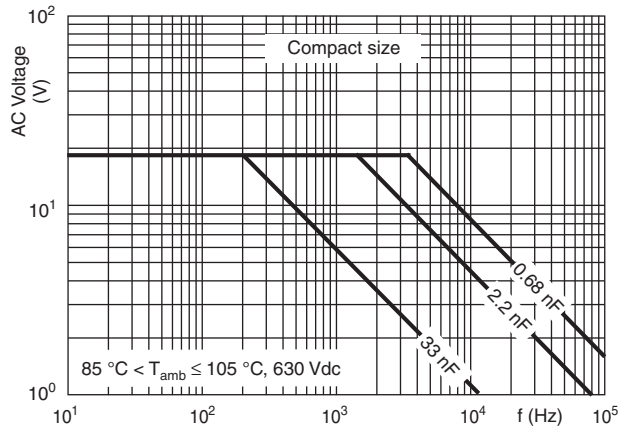
Max. AC voltage as a function of frequency



Max. AC voltage as a function of frequency

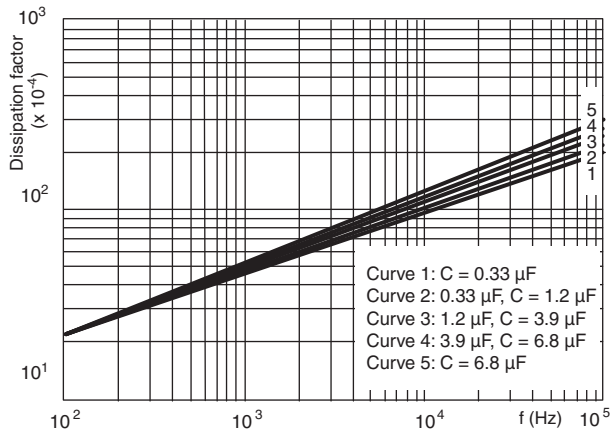
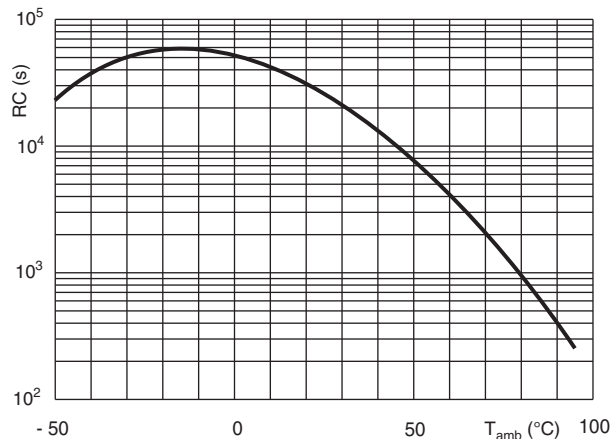
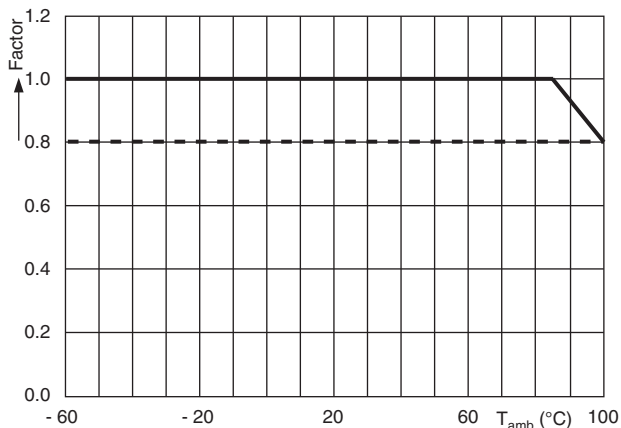
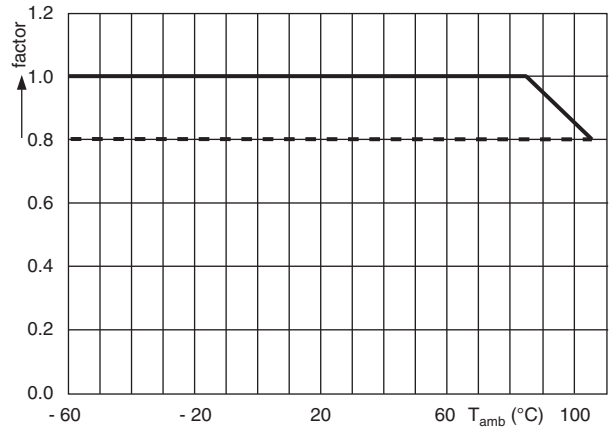


Max. AC voltage as a function of frequency

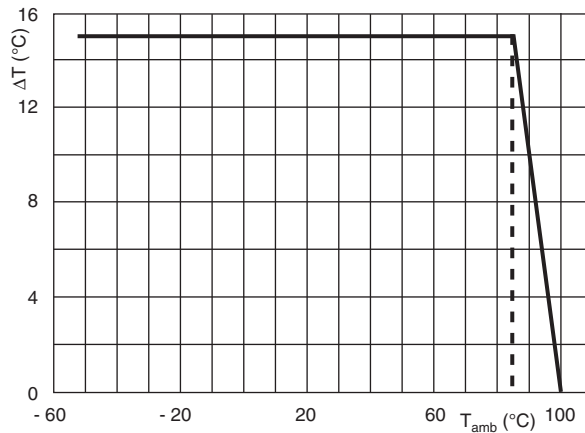
**Maximum RMS current (sinewave) as a function of frequency**

The maximum RMS current is defined by  $I_{ac} = \omega \times C \times U_{ac}$ .

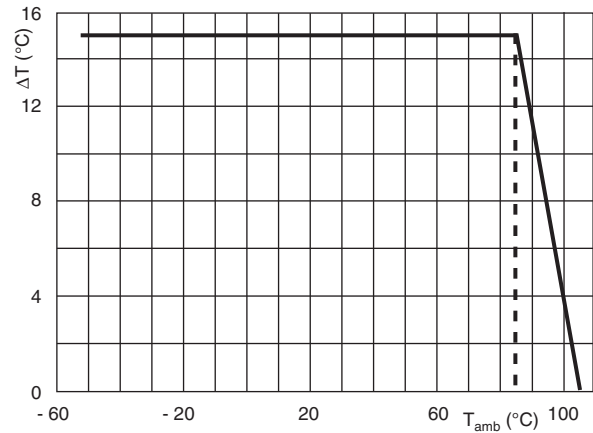
$U_{ac}$  is the maximum AC voltage depending on the ambient temperature in the curves "Max. RMS voltage and AC current as a function of frequency".

Tangent of loss angle as a function of frequency  
(typical curve)Insulation resistance as a function of the ambient temperature  
(typical curve)Max. DC and AC voltage as a function of frequency  
for voltage 63 VMax. DC and AC voltage as a function of frequency  
for voltages > 63 V

Maximum allowed component temperature rise ( $\Delta T$ )  
as a function of the ambient temperature ( $T_{amb}$ ) for voltage 63 V



Maximum allowed component temperature rise ( $\Delta T$ )  
as a function of the ambient temperature ( $T_{amb}$ ) for voltages > 63 V



### HEAT CONDUCTIVITY (G) AS A FUNCTION OF (ORIGINAL) PITCH AND CAPACITOR BODY THICKNESS IN mW/°C

| W <sub>max.</sub><br>(mm) | HEAT CONDUCTIVITY (mW/°C) |
|---------------------------|---------------------------|
|                           | PITCH 5 mm                |
| 2.5                       | 2.5                       |
| 3.5                       | 3.0                       |
| 4.5                       | 4.0                       |
| 6.0                       | 5.5                       |

### POWER DISSIPATION AND MAXIMUM COMPONENT TEMPERATURE RISE

The power dissipation must be limited in order not to exceed the maximum allowed component temperature rise as a function of the free ambient temperature.

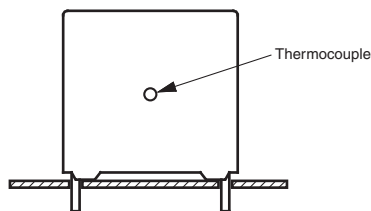
The power dissipation can be calculated according type detail specification "HQN-384-01/101: Technical Information Film Capacitors".

The component temperature rise ( $\Delta T$ ) can be measured (see section "Measuring the component temperature" for more details) or calculated by  $\Delta T = P/G$ :

- $\Delta T$  = Component temperature rise (°C)
- $P$  = Power dissipation of the component (mW)
- $G$  = Heat conductivity of the component (mW/°C)

### MEASURING THE COMPONENT TEMPERATURE

A thermocouple must be attached to the capacitor body as in:



The temperature is measured in unloaded ( $T_{amb}$ ) and maximum loaded condition ( $T_C$ ).

The temperature rise is given by  $\Delta T = T_C - T_{amb}$ .

To avoid radiation or convection, the capacitor should be tested in a wind-free box.

**APPLICATION NOTE AND LIMITING CONDITIONS**

These capacitors are not suitable for mains applications as across-the-line capacitors without additional protection, as described hereunder. These mains applications are strictly regulated in safety standards and therefore electromagnetic interference suppression capacitors conforming the standards must be used.

- For capacitors connected in parallel, normally the proof voltage and possibly the rated voltage must be reduced. For information depending of the capacitance value and the number of parallel connections contact: [dc-film@vishay.com](mailto:dc-film@vishay.com)

To select the capacitor for a certain application, the following conditions must be checked:

- The peak voltage ( $U_P$ ) shall not be greater than the rated DC voltage ( $U_{RDC}$ )
- The peak-to-peak voltage ( $U_{P-P}$ ) shall not be greater than  $2\sqrt{2} \times U_{RAC}$  to avoid the ionisation inception level
- The voltage peak slope ( $dU/dt$ ) shall not exceed the rated voltage pulse slope in an RC-circuit at rated voltage and without ringing. If the pulse voltage is lower than the rated DC voltage, the rated voltage pulse slope may be multiplied by  $U_{RDC}$  and divided by the applied voltage.  
For all other pulses following equation must be fulfilled:  $2 \times \int_0^T \left(\frac{dU}{dt}\right)^2 \times dt < U_{RDC} \times \left(\frac{dU}{dt}\right)_{rated}$   
T is the pulse duration.
- The maximum component surface temperature rise must be lower than the limits (see figure max. allowed component temperature rise).
- Since in circuits used at voltages over 280 V peak-to-peak the risk for an intrinsically active flammability after a capacitor breakdown (short circuit) increases, it is recommended that the power to the component is limited to 100 times the values mentioned in the table: "Heat conductivity"
- When using these capacitors as across-the-line capacitor in the input filter for mains applications or as series connected with an impedance to the mains the applicant must guarantee that the following conditions are fulfilled in any case (spikes and surge voltages from the mains included).

**Voltage Conditions for 6 Above**

| ALLOWED VOLTAGES                             | $T_{amb} \leq 85^\circ\text{C}$ | $85^\circ\text{C} < T_{amb} \leq 100^\circ\text{C}$ for 63 V                |
|----------------------------------------------|---------------------------------|-----------------------------------------------------------------------------|
|                                              |                                 | $85^\circ\text{C} < T_{amb} \leq 105^\circ\text{C}$ for > 63 V              |
| Maximum continuous RMS voltage               | $U_{RAC}$                       | See "Max. AC voltage as function of temperature CBB952" per characteristics |
| Maximum temperature RMS-overvoltage (< 24 h) | $1.25 \times U_{RAC}$           | $U_{RAC}$                                                                   |
| Maximum peak voltage ( $U_{O-P}$ ) (< 2 s)   | $1.6 \times U_{RDC}$            | $1.3 \times U_{RDC}$                                                        |

**EXAMPLE**

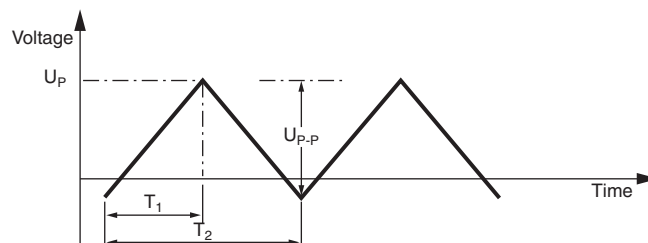
C = 330 nF - 63 V used for the voltage signal shown in next drawing.

$U_{P-P} = 40\text{ V}$ ;  $U_P = 35\text{ V}$ ;  $T_1 = 100\text{ }\mu\text{s}$ ;  $T_2 = 200\text{ }\mu\text{s}$

The ambient temperature is  $35^\circ\text{C}$

Checking conditions:

- The peak voltage  $U_P = 35\text{ V}$  is lower than  $63\text{ V}_{DC}$
- The peak-to-peak voltage  $40\text{ V}$  is lower than  $2\sqrt{2} \times 40\text{ V}_{AC} = 113\text{ V}_{P-P}$
- The voltage pulse slope ( $dU/dt$ ) =  $40\text{ V}/100\text{ }\mu\text{s} = 0.4\text{ V}/\mu\text{s}$   
This is lower than  $60\text{ V}/\mu\text{s}$  (see specific reference data for each version)
- The dissipated power is  $16.2\text{ mW}$  as calculated with fourier terms  
The temperature rise for  $W_{max.} = 3.5\text{ mm}$  and pitch =  $5\text{ mm}$  will be  $16.2\text{ mW}/3.0\text{ mW}/^\circ\text{C} = 5.4^\circ\text{C}$   
This is lower than  $15^\circ\text{C}$  temperature rise at  $35^\circ\text{C}$ , according figure max. allowed component temperature rise
- Not applicable
- Not applicable

**Voltage Signal**

**INSPECTION REQUIREMENTS****General Notes:**

Sub-clause numbers of tests and performance requirements refer to the “Sectional Specification, Publication IEC 60384-2 and Specific Reference Data”.

**Group C Inspection Requirements**

| SUB-CLAUSE NUMBER AND TEST                                | CONDITIONS                                                                                                                                                                                                                                        | PERFORMANCE REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUB-GROUP C1A PART OF SAMPLE OF SUB-GROUP C1</b>       |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.1 Dimensions (detail)                                   |                                                                                                                                                                                                                                                   | As specified in chapters “MKT 370 General Data” of this specification                                                                                                                                                                                                                                                                                                                     |
| 4.3.1 Initial measurements                                | Capacitance<br>Tangent of loss angle:<br>For $C \leq 470$ nF at 100 kHz or<br>for $C > 470$ nF at 10 kHz                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.3 Robustness of terminations                            | Tensile and bending                                                                                                                                                                                                                               | No visible damage                                                                                                                                                                                                                                                                                                                                                                         |
| 4.4 Resistance to soldering heat                          | Method: 1A<br>Solder bath: $280\text{ °C} \pm 5\text{ °C}$<br>Duration: 10 s                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.14 Component solvent resistance                         | Isopropylalcohol at room temperature<br>Method: 2<br>Immersion time: $5\text{ min} \pm 0.5\text{ min}$<br>Recovery time: Min. 1 h, max. 2 h                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.4.2 Final measurements                                  | Visual examination<br><br>Capacitance<br>Tangent of loss angle                                                                                                                                                                                    | No visible damage<br>Legible marking<br>$ \Delta C/C  \leq 2\%$ of the value measured initially<br>Increase of $\tan \delta$<br>$\leq 0.005$ for:<br>$C \leq 100$ nF or<br>$\leq 0.010$ for:<br>$100\text{ nF} < C \leq 220\text{ nF}$ or<br>$\leq 0.015$ for:<br>$220\text{ nF} < C \leq 470\text{ nF}$ and<br>$\leq 0.003$ for:<br>$C > 470$ nF<br>Compared to values measured in 4.3.1 |
| <b>SUB-GROUP C1B OTHER PART OF SAMPLE OF SUB-GROUP C1</b> |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.6.1 Initial measurements                                | Capacitance<br>Tangent of loss angle:<br>For $C \leq 470$ nF at 100 kHz or<br>for $C > 470$ nF at 10 kHz                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.6 Rapid change of temperature                           | $\theta A = -55\text{ °C}$<br>$\theta B = +100\text{ °C}$ for rated voltage 63 V<br>+ $105\text{ °C}$ for rated voltage $> 63$ V<br>5 cycles<br>Duration $t = 30\text{ min}$                                                                      |                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.7 Vibration                                             | Visual examination<br>Mounting:<br>See section “Mounting” of this specification<br>Procedure B4<br>Frequency range: 10 Hz to 55 Hz<br>Amplitude: 0.75 mm or<br>Acceleration $98\text{ m/s}^2$<br>(whichever is less severe)<br>Total duration 6 h | No visible damage                                                                                                                                                                                                                                                                                                                                                                         |
| 4.7.2 Final inspection                                    | Visual examination                                                                                                                                                                                                                                | No visible damage                                                                                                                                                                                                                                                                                                                                                                         |

| SUB-CLAUSE NUMBER AND TEST                                                                                                                                                                                 | CONDITIONS                                                                                                                                                                                                                                                                                                                                                                            | PERFORMANCE REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.9 Shock                                                                                                                                                                                                  | Mounting:<br>See section "Mounting" of this specification<br>Pulse shape: Half sine<br>Acceleration: 490 m/s <sup>2</sup><br>Duration of pulse: 11 ms                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.9.3 Final measurements                                                                                                                                                                                   | Visual examination<br><br>Capacitance<br><br>Tangent of loss angle<br><br><br><br><br><br><br><br><br><br>Insulation resistance                                                                                                                                                                                                                                                       | No visible damage<br><br>$ \Delta C/C  \leq 3\%$ of the value measured in 4.6.1<br><br>Increase of $\tan \delta$<br>$\leq 0.010$ for:<br>$C \leq 220$ nF or<br>$\leq 0.015$ for:<br>$220$ nF $< C \leq 470$ nF and<br>$\leq 0.003$ for:<br>$C > 470$ nF<br>Compared to values measured in 4.6.1<br><br>As specified in section "Specific Reference Data 370" of this specification                                                                                               |
| <b>SUB-GROUP C1 COMBINED SAMPLE OF SPECIMENS OF SUB-GROUPS C1A AND C1B</b>                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.10 Climatic sequence<br>4.10.2 Dry heat<br><br>4.10.3 Damp heat cyclic<br>Test Db, first cycle<br>4.10.4 Cold<br><br>4.10.6 Damp heat cyclic<br>Test Db, remaining cycles<br>4.10.6.2 Final measurements | Temperature:<br>+ 100 °C for rated voltage 63 V<br>+ 105 °C for rated voltage > 63 V<br>Duration: 16 h<br><br><br>Temperature: - 55 °C<br>Duration: 2 h<br><br>Voltage proof = $U_{RDC}$ for 1 min within 15 min<br>after removal from testchamber<br><br>Visual examination<br><br><br>Capacitance<br><br><br>Tangent of loss angle<br><br><br><br><br><br><br>Insulation resistance | No breakdown of flash-over<br><br><br>No visible damage<br>Legible marking<br><br>$ \Delta C/C  \leq 5\%$ of the value measured in 4.4.2 or 4.9.3<br><br>Increase of $\tan \delta$<br>$\leq 0.010$ for:<br>$C \leq 220$ nF or<br>$\leq 0.015$ for:<br>$220$ nF $< C \leq 470$ nF and<br>$\leq 0.005$ for:<br>$C > 470$ nF<br>Compared to values measured in 4.3.1 or 4.6.1<br><br>$\geq 50\%$ of values specified in section "Specific Reference Data 370" of this specification |
| <b>SUB-GROUP C2</b>                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.11 Damp heat steady state<br>4.11.1 Initial measurements                                                                                                                                                 | 56 days, 40 °C, 90 % to 95 % RH<br><br>Capacitance<br>Tangent of loss angle at 1 kHz                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**DC Film Capacitors  
MKT Radial Potted Type****Vishay BCcomponents**

| SUB-CLAUSE NUMBER AND TEST                                                                    | CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PERFORMANCE REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.11.3 Final measurements                                                                     | Voltage proof = $U_{RDC}$ for 1 min within 15 min after removal from testchamber<br><br>Visual examination<br><br>Capacitance<br>Tangent of loss angle<br><br>Insulation resistance                                                                                                                                                                                                                                                                                                     | No breakdown of flash-over<br><br>No visible damage<br>Legible marking<br><br>$ \Delta C/C  \leq 5\%$ of the value measured in 4.11.1.<br><br>Increase of $\tan \delta \leq 0.005$<br>Compared to values measured in 4.11.1<br><br>$\geq 50\%$ of values specified in section "Specific Reference Data 370" of this specification                                                                                                                                                                                               |
| <b>SUB-GROUP C3</b>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4.12 Endurance<br><br>4.12.1 Initial measurements<br><br>4.12.5 Final measurements            | Duration: 2000 h<br>$1.25 \times U_{RDC}$ at $85^\circ\text{C}$<br>$0.8 \times 1.25 U_{RDC}$ at $+100^\circ\text{C}$ for rated voltage 63 V<br>$0.8 \times 1.25 U_{RDC}$ at $+105^\circ\text{C}$ for rated voltage $> 63\text{ V}$<br><br>Capacitance<br>Tangent of loss angle:<br>For $C \leq 470\text{ nF}$ at 100 kHz or<br>for $C > 470\text{ nF}$ at 10 kHz<br><br>Visual examination<br><br>Capacitance<br><br>Tangent of loss angle<br><br><br><br><br><br>Insulation resistance | No visible damage<br>Legible marking<br><br>$ \Delta C/C  \leq 5\%$ compared to values measured in 4.12.1<br><br>Increase of $\tan \delta$<br>$\leq 0.005$ for at $85^\circ\text{C}$<br>$\leq 0.010$ for at $100^\circ\text{C}$ for:<br>$C \leq 220\text{ nF}$ or<br>$\leq 0.015$ for:<br>$220\text{ nF} < C \leq 470\text{ nF}$ and<br>$\leq 0.003$ for:<br>$C > 470\text{ nF}$<br>Compared to values measured in 4.12.1<br><br>$\geq 50\%$ of values specified in section "Specific Reference Data 370" of this specification |
| <b>SUB-GROUP C4</b>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4.13 Charge and discharge<br><br>4.13.1 Initial measurements<br><br>4.13.3 Final measurements | 10 000 cycles<br>Charged to $U_{RDC}$<br>Discharge resistance:<br>$R = \frac{U_R}{C \times 2.5 \times (dU/dt)_R}$<br><br>Capacitance<br>Tangent of loss angle:<br>For $C \leq 470\text{ nF}$ at 100 kHz or<br>for $C > 470\text{ nF}$ at 10 kHz<br><br>Capacitance<br><br>Tangent of loss angle<br><br><br><br><br><br>Insulation resistance                                                                                                                                            | $ \Delta C/C  \leq 3\%$ compared to values measured in 4.13.1<br><br>Increase of $\tan \delta$<br>$\leq 0.005$ for:<br>$C \leq 100\text{ nF}$ or<br>$\leq 0.010$ for:<br>$100\text{ nF} < C \leq 220\text{ nF}$ or<br>$\leq 0.015$ for:<br>$220\text{ nF} < C \leq 470\text{ nF}$ and<br>$\leq 0.003$ for:<br>$C > 470\text{ nF}$<br>Compared to values measured in 4.13.1<br><br>$\geq 50\%$ of values specified in section "Specific Reference Data 370" of this specification                                                |



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**Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.**

**Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.**



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.