

# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

## 85 °C & 105 °C, Standard



Ideal for general purpose use where long life at rated temperature and operating voltage are important.

Type 066 is equipped with a molded top and uses an o-ring to ensure a long life seal and an expected life of more than ten years in most applications.

Type 066X has extra capacitance. Type 066R has lower ESR and higher ripple capability.

### Highlights

- ♦ Long life, more than ten years in most applications
- ♦ Molded top
- ♦ Low DCL
- ♦ High Ripple
- ♦ General purpose

### Specifications

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| <b>Operating Temperature:</b>      | –40 °C to +85 °C (Type 066R –40 °C to +105 °C)                   |
| <b>Rated Voltage:</b>              | 6.3 to 450 Vdc                                                   |
| <b>Capacitance:</b>                | 8.2 $\mu$ F to 68,000 $\mu$ F                                    |
| <b>Capacitance Tolerance:</b>      | –10 + 75%                                                        |
| <b>Leakage Current:</b>            | $\leq 0.005$ CV $\mu$ A @ +25 °C, $\leq 0.04$ CV $\mu$ A @ 85 °C |
| <b>Ripple Current Multipliers:</b> | <b>Ambient Temperature</b>                                       |

| Type        | 45 °C | 55 °C | 65 °C | 75 °C | 85 °C | 95 °C | 105 °C |
|-------------|-------|-------|-------|-------|-------|-------|--------|
| <b>066</b>  | 2.24  | 2.00  | 1.73  | 1.41  | 1.00  | 0.0   | 0.0    |
| <b>066R</b> | 1.68  | 1.54  | 1.38  | 1.21  | 1.00  | 0.74  | 0.30   |

### Frequency

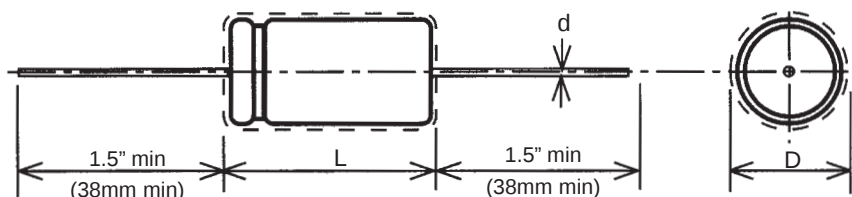
|                 | 50 Hz | 60 Hz | 120 Hz | 360 Hz | 1 kHz | 5 kHz | 10 kHz+ |
|-----------------|-------|-------|--------|--------|-------|-------|---------|
| 0-60 $\mu$ F    | 0.85  | 1.00  | 1.10   | 1.15   | 1.15  | 1.15  | 1.15    |
| 61-200 $\mu$ F  | 0.83  | 1.00  | 1.15   | 1.20   | 1.20  | 1.20  | 1.20    |
| 201-450 $\mu$ F | 0.80  | 1.00  | 1.15   | 1.30   | 1.30  | 1.30  | 1.30    |

**Load Life:** 1,000 h @ +85 °C  
 $\Delta$  Capacitance  $\pm 10\%$   
ESR 150% of limit  
DCL 100% of limit

**Shelf Life:** 100 h at 85 °C, capacitance, ESR and DCL, initial requirements

**Vibration:** 10 to 55 Hz; 0.06" and 10 g max, 2 h. in each plane

### Outline Drawings



d = 20 AWG for D < 0.75", 18 AWG for D  $\geq$  0.75"

# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

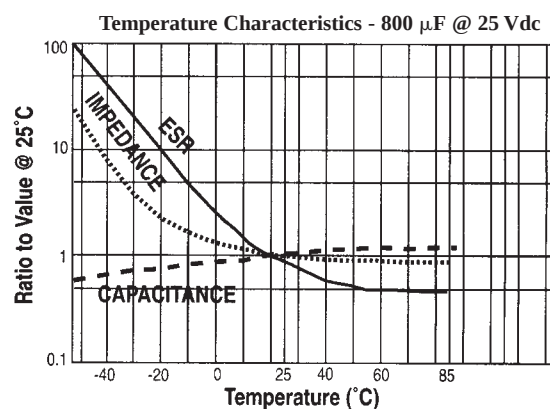
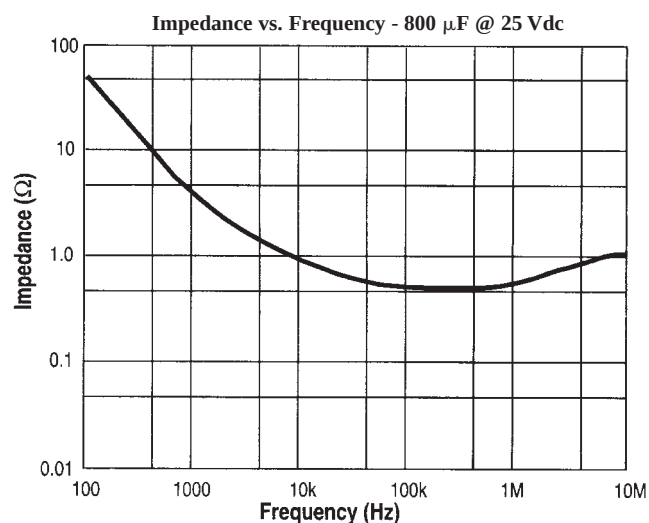
## Case Dimensions

| Case Code | Inches   |       | mm       |       | Case Code | Inches   |       | mm       |       |
|-----------|----------|-------|----------|-------|-----------|----------|-------|----------|-------|
|           | D ± .016 | L max | D ± .397 | L max |           | D ± .016 | L max | D ± .397 | L max |
| FE        | .635     | 1.250 | 16.13    | 31.75 | HE        | .885     | 1.250 | 22.48    | 31.75 |
| FJ        | .635     | 1.750 | 16.13    | 44.45 | HJ        | .885     | 1.750 | 22.48    | 44.45 |
| FL        | .635     | 2.250 | 16.13    | 57.15 | HL        | .885     | 2.250 | 22.48    | 57.15 |
| FP        | .635     | 2.750 | 16.13    | 69.85 | HP        | .885     | 2.750 | 22.48    | 69.85 |
| FS        | .635     | 3.250 | 16.13    | 82.55 | HS        | .885     | 3.250 | 22.48    | 82.55 |
| FT        | .635     | 3.750 | 16.13    | 95.25 | HT        | .885     | 3.750 | 25.65    | 95.25 |
| GE        | .760     | 1.250 | 19.30    | 31.75 | JE        | 1.010    | 1.250 | 25.65    | 31.75 |
| GJ        | .760     | 1.750 | 19.30    | 44.45 | JJ        | 1.010    | 1.750 | 25.65    | 44.45 |
| GL        | .760     | 2.250 | 19.30    | 57.15 | JL        | 1.010    | 2.250 | 25.65    | 57.15 |
| GP        | .760     | 2.750 | 19.30    | 69.85 | JP        | 1.010    | 2.750 | 25.65    | 69.85 |
| GS        | .760     | 3.250 | 19.30    | 82.55 | JS        | 1.010    | 3.250 | 25.65    | 82.55 |
| GT        | .760     | 3.750 | 19.30    | 95.25 | JT        | 1.010    | 3.75  | 25.65    | 92.25 |

## Part Numbering System

| 066  | 682              | U          | 6R3         | JE        | 2             | E                  |
|------|------------------|------------|-------------|-----------|---------------|--------------------|
| Type | Capacitance      | Tolerance  | Voltage     | Case Code | Insulation    | Epoxy Endseal      |
| 066  | 6R8=6.8 $\mu$ F  | U=-10%+75% | 6R3=6.3 Vdc |           | 0 = Bare Can  | E = Epoxy          |
| 066X | 680=68 $\mu$ F   | T=-10%+50% | 063=63 Vdc  |           | 1 = Polyester | (blank) = No Epoxy |
| 066R | 681=680 $\mu$ F  |            | 100=100 Vdc |           | 2 = PVC       |                    |
|      | 682=6800 $\mu$ F |            |             |           |               |                    |

## Typical Performance Curves



# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

## Ratings

| Cap.<br>( $\mu$ F)           | Catalog<br>Part Number | ESR Max. $\Omega$ |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in) |
|------------------------------|------------------------|-------------------|--------|---------------------|--------|----------------------|
|                              |                        | 120 Hz            | 20 kHz | 120 Hz              | 20 kHz | D x L                |
| <b>6.3 Vdc (8 Vdc Surge)</b> |                        |                   |        |                     |        |                      |
| 1800                         | 066182U6R3FE2          | 0.520             | 0.281  | 0.68                | 0.86   | 5/8 X 1 1/8          |
| 2700                         | 066272U6R3GE2          | 0.340             | 0.185  | 0.85                | 1.1    | 3/4 X 1 1/8          |
| 3900                         | 066392U6R3FJ2          | 0.260             | 0.141  | 1.10                | 1.4    | 5/8 X 1 5/8          |
| 4700                         | 066472U6R3HE2          | 0.230             | 0.126  | 1.10                | 1.3    | 7/8 X 1 1/8          |
| 5600                         | 066562U6R3GJ2          | 0.170             | 0.096  | 1.40                | 1.8    | 3/4 X 1 5/8          |
| 5600                         | 066R562U6R3GE2         | 0.340             | 0.185  | 1.20                | 1.5    | 3/4 X 1 1/8          |
| 5600                         | 066X562U6R3GE2         | 0.340             | 0.185  | 0.85                | 1.1    | 3/4 X 1 1/8          |
| 6800                         | 066682U6R3JE2          | 0.180             | 0.104  | 1.30                | 1.5    | 1 X 1 1/8            |
| 8200                         | 066822U6R3HJ2          | 0.120             | 0.065  | 1.80                | 2.2    | 7/8 X 1 5/8          |
| 10000                        | 066103U6R3FS2          | 0.110             | 0.06   | 2.50                | 3.0    | 5/8 X 3 1/8          |
| 10000                        | 066R103U6R3GJ2         | 0.170             | 0.096  | 2.00                | 2.5    | 3/4 X 1 5/8          |
| 12000                        | 066123U6R3GP2          | 0.093             | 0.052  | 3.50                | 4.3    | 3/4 X 2 5/8          |
| 12000                        | 066X123U6R3GJ2         | 0.170             | 0.096  | 1.40                | 1.8    | 3/4 X 1 5/8          |
| 15000                        | 066153U6R3HL2          | 0.080             | 0.045  | 2.60                | 3.1    | 7/8 X 2 1/8          |
| 15000                        | 066R153U6R3HJ2         | 0.120             | 0.065  | 2.60                | 3.1    | 7/8 X 1 5/8          |
| 18000                        | 066183U6R3JL2          | 0.062             | 0.036  | 3                   | 3.5    | 1 X 2 1/8            |
| 18000                        | 066X183U6R3HJ2         | 0.120             | 0.065  | 1.8                 | 2.2    | 7/8 X 1 5/8          |
| 22000                        | 066223U6R3HS2          | 0.052             | 0.03   | 3.8                 | 4.4    | 7/8 X 3 1/8          |
| 22000                        | 066R223U6R3HL2         | 0.080             | 0.045  | 3.6                 | 4.3    | 7/8 X 2 1/8          |
| 27000                        | 066273U6R3JP2          | 0.049             | 0.029  | 3.7                 | 4.3    | 1 X 2 5/8            |
| 27000                        | 066X273U6R3HL2         | 0.080             | 0.045  | 2.6                 | 3.1    | 7/8 X 2 1/8          |
| 33000                        | 066333U6R3JS2          | 0.042             | 0.024  | 4.4                 | 4.9    | 1 X 3 1/8            |
| 33000                        | 066R333U6R3JL2         | 0.062             | 0.036  | 4.3                 | 5.0    | 1 X 2 1/8            |
| 33000                        | 066X333U6R3JL2         | 0.062             | 0.036  | 3                   | 3.5    | 1 X 2 1/8            |
| 39000                        | 066393U6R3JT2          | 0.037             | 0.022  | 4.9                 | 5.5    | 1 X 3 5/8            |
| 47000                        | 066R473U6R3JP2         | 0.049             | 0.028  | 5.3                 | 6.1    | 1 X 2 5/8            |
| 47000                        | 066X473U6R3JP2         | 0.049             | 0.028  | 3.8                 | 4.3    | 1 X 2 5/8            |
| 56000                        | 066R563U6R3JS2         | 0.041             | 0.024  | 6.2                 | 7.0    | 1 X 3 1/8            |
| 56000                        | 066X563U6R3JS2         | 0.041             | 0.024  | 4.4                 | 4.9    | 1 X 3 1/8            |
| 68000                        | 066R683U6R3JT2         | 0.037             | 0.022  | 7.0                 | 7.8    | 1 X 3 5/8            |
| 68000                        | 066X683U6R3JT2         | 0.037             | 0.022  | 4.9                 | 5.5    | 1 X 3 5/8            |
| <b>7.5 Vdc (9 Vdc Surge)</b> |                        |                   |        |                     |        |                      |
| 1800                         | 066182U7R5FE2          | 0.520             | 0.281  | 0.67                | 0.86   | 5/8 X 1 1/8          |
| 2700                         | 066272U7R5GE2          | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 3300                         | 066332U7R5FJ2          | 0.260             | 0.141  | 1.10                | 1.4    | 5/8 X 1 5/8          |
| 3900                         | 066392U7R5HE2          | 0.230             | 0.126  | 1.10                | 1.3    | 7/8 X 1 1/8          |
| 4700                         | 066R472U7R5GE2         | 0.340             | 0.185  | 1.20                | 1.5    | 3/4 X 1 1/8          |
| 5600                         | 066562U7R5GJ2          | 0.170             | 0.096  | 1.40                | 1.8    | 3/4 X 1 5/8          |
| 5600                         | 066X562U7R5GE2         | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 8200                         | 066822U7R5FS2          | 0.110             | 0.06   | 2.40                | 3.0    | 5/8 X 3 1/8          |
| 8200                         | 066R822U7R5HJ2         | 0.120             | 0.065  | 1.80                | 2.2    | 7/8 X 1 5/8          |
| 10000                        | 066103U7R5GP2          | 0.094             | 0.052  | 3.50                | 4.3    | 3/4 X 2 5/8          |
| 10000                        | 066R103U7R5GJ2         | 0.170             | 0.096  | 2.00                | 2.5    | 3/4 X 1 5/8          |
| 12000                        | 066123U7R5HL2          | 0.081             | 0.045  | 2.50                | 3.1    | 7/8 X 2 1/8          |
| 15000                        | 066R153U7R5HJ2         | 0.120             | 0.065  | 2.60                | 3.1    | 7/8 X 1 5/8          |
| 15000                        | 066X153U7R5HJ2         | 0.120             | 0.065  | 1.80                | 2.2    | 7/8 X 1 5/8          |
| 18000                        | 066183U7R5JL2          | 0.063             | 0.036  | 3.00                | 3.5    | 1 X 2 1/8            |
| 22000                        | 066223U7R5JP2          | 0.050             | 0.029  | 3.70                | 4.3    | 1 X 2 5/8            |
| 22000                        | 066R223U7R5HL2         | 0.081             | 0.045  | 3.60                | 4.3    | 7/8 X 2 1/8          |
| 22000                        | 066X223U7R5HL2         | 0.081             | 0.045  | 2.50                | 3.1    | 7/8 X 2 1/8          |
| 27000                        | 066273U7R5JS2          | 0.042             | 0.024  | 4.30                | 4.9    | 1 X 3 1/8            |
| 33000                        | 066333U7R5JT2          | 0.037             | 0.022  | 4.90                | 5.5    | 1 X 3 5/8            |
| 33000                        | 066R333U7R5JL2         | 0.063             | 0.036  | 4.30                | 5.0    | 1 X 2 1/8            |
| 33000                        | 066X333U7R5JL2         | 0.063             | 0.036  | 3.00                | 3.5    | 1 X 2 1/8            |
| 39000                        | 066R393U7R5JP2         | 0.049             | 0.028  | 5.30                | 6.1    | 1 X 2 5/8            |

| Cap.<br>( $\mu$ F)                    | Catalog<br>Part Number | ESR Max. $\Omega$ |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in) |
|---------------------------------------|------------------------|-------------------|--------|---------------------|--------|----------------------|
|                                       |                        | 120 Hz            | 20 kHz | 120 Hz              | 20 kHz | D x L                |
| <b>7.5 Vdc (9 Vdc Surge) (cont'd)</b> |                        |                   |        |                     |        |                      |
| 47000                                 | 066R473U7R5JS2         | 0.042             | 0.024  | 6.2                 | 7.0    | 1 X 3 1/8            |
| 47000                                 | 066X473U7R5JP2         | 0.049             | 0.028  | 3.7                 | 4.3    | 1 X 2 5/8            |
| 56000                                 | 0662563U7R5JT2         | 0.037             | 0.022  | 6.9                 | 7.8    | 1 X 3 5/8            |
| 56000                                 | 066X563U7R5JS2         | 0.042             | 0.024  | 4.3                 | 4.9    | 1 X 3 1/8            |
| 68000                                 | 066X683U7R5JT2         | 0.037             | 0.022  | 4.9                 | 5.5    | 1 X 3 5/8            |
| <b>10 Vdc (12 Vdc Surge)</b>          |                        |                   |        |                     |        |                      |
| 1200                                  | 066122U010FE2          | 0.520             | 0.281  | 0.67                | 0.86   | 5/8 X 1 1/8          |
| 1800                                  | 066182U010GE2          | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 2700                                  | 066272U010FJ2          | 0.260             | 0.141  | 1.1                 | 1.4    | 5/8 X 1 5/8          |
| 3900                                  | 066392U010GJ2          | 0.170             | 0.096  | 1.4                 | 1.8    | 3/4 X 1 5/8          |
| 3900                                  | 066R392U010GE2         | 0.340             | 0.185  | 1.2                 | 1.5    | 3/4 X 1 1/8          |
| 4700                                  | 066X472U010GE2         | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 5600                                  | 066562U010HJ2          | 0.120             | 0.065  | 1.8                 | 2.2    | 7/8 X 1 5/8          |
| 6800                                  | 066682U010GP2          | 0.094             | 0.052  | 3.5                 | 4.3    | 3/4 X 2 5/8          |
| 8200                                  | 066822U010HL2          | 0.081             | 0.045  | 2.5                 | 3.1    | 7/8 X 2 1/8          |
| 8200                                  | 066R822U010GJ2         | 0.170             | 0.096  | 2.0                 | 2.5    | 3/4 X 1 5/8          |
| 10000                                 | 066X103U010GJ2         | 0.170             | 0.096  | 1.4                 | 1.8    | 3/4 X 1 5/8          |
| 12000                                 | 066123U010HJ2          | 0.120             | 0.065  | 2.6                 | 3.1    | 7/8 X 1 5/8          |
| 12000                                 | 066123U010JL2          | 0.063             | 0.036  | 3.0                 | 3.5    | 1 X 2 1/8            |
| 15000                                 | 066153U010HS2          | 0.053             | 0.03   | 3.7                 | 4.4    | 7/8 X 3 1/8          |
| 15000                                 | 066X153U010HJ2         | 0.120             | 0.065  | 1.8                 | 2.2    | 7/8 X 1 5/8          |
| 18000                                 | 066LR183U010HL2        | 0.081             | 0.045  | 3.6                 | 4.3    | 7/8 X 2 1/8          |
| 18000                                 | 066183U010JP2          | 0.050             | 0.029  | 3.7                 | 4.3    | 1 X 2 5/8            |
| 22000                                 | 066223U010JS2          | 0.042             | 0.024  | 4.3                 | 4.9    | 1 X 3 1/8            |
| 22000                                 | 066X223U010HL2         | 0.081             | 0.045  | 2.5                 | 3.1    | 7/8 X 2 1/8          |
| 27000                                 | 066273U010JT2          | 0.037             | 0.022  | 4.9                 | 5.5    | 1 X 3 5/8            |
| 27000                                 | 066R273U010JL2         | 0.063             | 0.036  | 4.3                 | 5.0    | 1 X 2 1/8            |
| 33000                                 | 066R333U010JP2         | 0.049             | 0.028  | 5.3                 | 6.1    | 1 X 2 5/8            |
| 33000                                 | 066X333U010JL2         | 0.063             | 0.036  | 3.0                 | 3.5    | 1 X 2 1/8            |
| 39000                                 | 066X393U010JP2         | 0.049             | 0.028  | 3.7                 | 4.3    | 1 X 2 5/8            |
| 47000                                 | 066R473U010JS2         | 0.042             | 0.024  | 6.2                 | 7.0    | 1 X 3 1/8            |
| 47000                                 | 066X473U010JS2         | 0.042             | 0.024  | 4.3                 | 4.9    | 1 X 3 1/8            |
| 56000                                 | 066R563U010JT2         | 0.037             | 0.022  | 6.9                 | 7.8    | 1 X 3 5/8            |
| 56000                                 | 066X563U010JT2         | 0.037             | 0.022  | 4.9                 | 5.5    | 1 X 3 5/8            |
| <b>16 Vdc (20 Vdc Surge)</b>          |                        |                   |        |                     |        |                      |
| 1000                                  | 066102U016FE2          | 0.520             | 0.281  | 0.67                | 0.86   | 5/8 X 1 1/8          |
| 1500                                  | 066152U016GE2          | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 2200                                  | 066222U016FJ2          | 0.260             | 0.141  | 1.1                 | 1.4    | 5/8 X 1 5/8          |
| 2700                                  | 066R272U016GE2         | 0.340             | 0.185  | 1.2                 | 1.5    | 4/4 X 1 1/8          |
| 3300                                  | 066332U016GJ2          | 0.170             | 0.096  | 1.4                 | 1.8    | 3/4 X 1 5/8          |
| 3300                                  | 066X332U016GE2         | 0.340             | 0.185  | 0.84                | 1.1    | 3/4 X 1 1/8          |
| 4700                                  | 066472U016HJ2          | 0.120             | 0.065  | 1.8                 | 2.2    | 7/8 X 1 5/8          |
| 5600                                  | 066R562U016GJ2         | 0.170             | 0.096  | 2.0                 | 2.5    | 3/4 X 1 5/8          |
| 5600                                  | 066562U016GP2          | 0.094             | 0.052  | 3.5                 | 4.3    | 3/4 X 2 5/8          |
| 6800                                  | 066682U016HL2          | 0.081             | 0.045  | 2.5                 | 3.1    | 7/8 X 2 1/8          |
| 6800                                  | 066X682U016GJ2         | 0.170             | 0.096  | 1.4                 | 1.8    | 3/4 X 1 5/8          |
| 8200                                  | 066R822U016HJ2         | 0.120             | 0.065  | 2.6                 | 3.1    | 7/8 X 1 5/8          |
| 10000                                 | 066103U016JL2          | 0.063             | 0.036  | 3.0                 | 3.5    | 1 X 2 1/8            |
| 10000                                 | 066X103U016HJ2         | 0.120             | 0.065  | 1.8                 | 2.2    | 7/8 X 1 5/8          |
| 12000                                 | 066123U016HS2          | 0.053             | 0.03   | 3.7                 | 4.4    | 7/8 X 3 1/8          |
| 12000                                 | 066R123U016HL2         | 0.081             | 0.045  | 3.6                 | 4.3    | 7/8 X 2 1/8          |
| 15000                                 | 066153U016JP2          | 0.050             | 0.029  | 3.7                 | 4.3    | 1 X 2 5/8            |
| 15000                                 | 066X153U016HL2         | 0.081             | 0.045  | 2.5                 | 3.1    | 7/8 X 2 1/8          |
| 18000                                 | 066183U016JS2          | 0.042             | 0.024  | 4.3                 | 4.9    | 1 X 3 1/8            |
| 18000                                 | 066R183U016JL2         | 0.063             | 0.036  | 4.3                 | 5.0    | 1 X 2 1/8            |

# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

| Cap.<br>( $\mu$ F)                    | Catalog<br>Part Number | ESR Max. $\Omega$ |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in)<br>D x L |
|---------------------------------------|------------------------|-------------------|--------|---------------------|--------|-------------------------------|
|                                       |                        | 120 Hz            | 20 kHz | 120 Hz              | 20 kHz |                               |
| <b>16 Vdc (20 Vdc Surge) (cont'd)</b> |                        |                   |        |                     |        |                               |
| 22000                                 | 066223U016JT2          | 0.037             | 0.022  | 4.9                 | 5.5    | 1 x 3 5/8                     |
| 22000                                 | 066R223U016JP2         | 0.049             | 0.028  | 5.3                 | 6.1    | 1 x 2 5/8                     |
| 22000                                 | 066X223U016JL2         | 0.063             | 0.036  | 3.0                 | 3.5    | 1 x 2 1/8                     |
| 27000                                 | 066R273U016JS2         | 0.042             | 0.024  | 6.2                 | 7.0    | 1 x 3 1/8                     |
| 27000                                 | 066X273U016JP2         | 0.049             | 0.028  | 3.7                 | 4.3    | 1 x 2 5/8                     |
| 33000                                 | 066R333U016JT2         | 0.037             | 0.022  | 6.9                 | 7.8    | 1 x 3 5/8                     |
| 33000                                 | 066X333U016JS2         | 0.042             | 0.024  | 4.3                 | 4.9    | 1 x 3 1/8                     |
| 39000                                 | 066X393U016JT2         | 0.037             | 0.022  | 4.9                 | 5.5    | 1 x 3 5/8                     |
| <b>25 Vdc (35 Vdc Surge)</b>          |                        |                   |        |                     |        |                               |
| 560                                   | 066561U025FE2          | 0.510             | 0.267  | 0.66                | 0.87   | 5/8 x 1 1/8                   |
| 820                                   | 066821U025GE2          | 0.340             | 0.178  | 0.82                | 1.1    | 3/4 x 1 1/8                   |
| 1000                                  | 066102U025FJ2          | 0.260             | 0.133  | 1.1                 | 1.5    | 5/8 x 1 5/8                   |
| 1200                                  | 066122U025HE2          | 0.240             | 0.126  | 1.1                 | 1.3    | 7/8 x 1 1/8                   |
| 1800                                  | 066182U025GJ2          | 0.170             | 0.089  | 1.4                 | 1.8    | 3/4 x 1 5/8                   |
| 1800                                  | 066R182U025GE2         | 0.330             | 0.170  | 1.2                 | 1.5    | 3/4 x 1 1/8                   |
| 2200                                  | 066X222U025GE2         | 0.330             | 0.170  | 0.84                | 1.1    | 3/4 x 1 1/8                   |
| 2700                                  | 066272U025HJ2          | 0.120             | 0.065  | 1.8                 | 2.1    | 7/8 x 1 5/8                   |
| 3900                                  | 066392U025HL2          | 0.082             | 0.045  | 2.5                 | 3.0    | 7/8 x 2 1/8                   |
| 3900                                  | 066R392U025GJ2         | 0.170             | 0.089  | 2.0                 | 2.6    | 3/4 x 1 5/8                   |
| 4700                                  | 066X472U025GJ2         | 0.170             | 0.089  | 1.4                 | 1.8    | 3/4 x 1 5/8                   |
| 5600                                  | 066562U025JL2          | 0.066             | 0.037  | 2.8                 | 3.3    | 1 x 2 1/8                     |
| 5600                                  | 066R562U025HJ2         | 0.120             | 0.062  | 2.6                 | 3.2    | 7/8 x 1 5/8                   |
| 6800                                  | 066682U025JP2          | 0.051             | 0.030  | 3.5                 | 4.1    | 1 x 2 5/8                     |
| 6800                                  | 066X682U025HJ2         | 0.120             | 0.062  | 1.8                 | 2.2    | 7/8 x 1 5/8                   |
| 8200                                  | 066822U025JS2          | 0.043             | 0.025  | 4.1                 | 4.7    | 1 x 3 1/8                     |
| 8200                                  | 066R822U025HL2         | 0.080             | 0.043  | 3.6                 | 4.4    | 7/8 x 2 1/8                   |
| 10000                                 | 066103U025JT2          | 0.038             | 0.023  | 4.7                 | 5.2    | 1 x 3 5/8                     |
| 10000                                 | 066X103U025HL2         | 0.080             | 0.043  | 2.5                 | 3.1    | 7/8 x 2 1/8                   |
| 12000                                 | 066R123U025JL2         | 0.062             | 0.035  | 4.2                 | 5.0    | 1 x 2 1/8                     |
| 15000                                 | 066R153U025JP2         | 0.049             | 0.027  | 5.2                 | 6.1    | 1 x 2 5/8                     |
| 15000                                 | 066X153U025JL2         | 0.062             | 0.035  | 3.0                 | 3.5    | 1 x 2 1/8                     |
| 18000                                 | 066X183U025JP2         | 0.049             | 0.027  | 3.7                 | 4.3    | 1 x 2 5/8                     |
| 22000                                 | 066R223U025JS2         | 0.041             | 0.024  | 6.1                 | 7.0    | 1 x 3 1/8                     |
| 22000                                 | 066R223U025JT2         | 0.037             | 0.021  | 6.9                 | 7.8    | 1 x 3 5/8                     |
| 22000                                 | 066X223U025JS2         | 0.041             | 0.024  | 4.3                 | 5.0    | 1 x 3 1/8                     |
| 27000                                 | 066X273U025JT2         | 0.037             | 0.021  | 4.9                 | 5.5    | 1 x 3 5/8                     |
| <b>35 Vdc (45 Vdc Surge)</b>          |                        |                   |        |                     |        |                               |
| 470                                   | 066471U035FE2          | 0.540             | 0.267  | 0.64                | 0.86   | 5/8 x 1 1/8                   |
| 680                                   | 066681U035GE2          | 0.350             | 0.178  | 0.8                 | 1.0    | 3/4 x 1 1/8                   |
| 820                                   | 066821U035FJ2          | 0.270             | 0.133  | 1.1                 | 1.4    | 5/8 x 1 5/8                   |
| 1200                                  | 066122U035HE2          | 0.250             | 0.126  | 1.0                 | 1.3    | 7/8 x 1 1/8                   |
| 1200                                  | 066R122L035GE2         | 0.350             | 0.178  | 1.1                 | 1.5    | 3/4 x 1 1/8                   |
| 1500                                  | 066152U035GJ2          | 0.180             | 0.089  | 1.3                 | 1.7    | 3/4 x 1 5/8                   |
| 1500                                  | 066X152U035GE2         | 0.350             | 0.178  | 0.8                 | 1.0    | 3/4 x 1 1/8                   |
| 2200                                  | 066222U035HJ2          | 0.120             | 0.065  | 1.7                 | 2.1    | 7/8 x 1 5/8                   |
| 2200                                  | 066R222U035GJ2         | 0.180             | 0.089  | 1.9                 | 2.5    | 3/4 x 1 5/8                   |
| 2700                                  | 066272U035GP2          | 0.098             | 0.05   | 3.3                 | 4.2    | 3/4 x 2 5/8                   |
| 3300                                  | 066332U035HL2          | 0.085             | 0.045  | 2.4                 | 3.0    | 7/8 x 2 1/8                   |
| 3300                                  | 066X332U035GJ2         | 0.180             | 0.089  | 1.3                 | 1.7    | 3/4 x 1 5/8                   |
| 3900                                  | 066R392U035HJ2         | 0.120             | 0.065  | 2.4                 | 3.0    | 7/8 x 1 5/8                   |
| 4700                                  | 066X472U035HJ2         | 0.120             | 0.065  | 1.7                 | 2.1    | 7/8 x 1 5/8                   |
| 4700                                  | 066472U035JL2          | 0.068             | 0.038  | 2.8                 | 3.3    | 1 x 2 1/8                     |
| 5600                                  | 066562U035JP2          | 0.053             | 0.03   | 3.5                 | 4.1    | 1 x 2 5/8                     |
| 5600                                  | 066R562U035HL2         | 0.085             | 0.045  | 3.4                 | 4.2    | 7/8 x 2 1/8                   |
| 6800                                  | 066X682U035HL2         | 0.085             | 0.045  | 2.4                 | 3.0    | 7/8 x 2 1/8                   |

| Cap.<br>( $\mu$ F)                    | Catalog<br>Part Number | ESR Max. $\Omega$ |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in)<br>D x L |
|---------------------------------------|------------------------|-------------------|--------|---------------------|--------|-------------------------------|
|                                       |                        | 120 Hz            | 20 kHz | 120 Hz              | 20 kHz |                               |
| <b>35 Vdc (45 Vdc Surge) (cont'd)</b> |                        |                   |        |                     |        |                               |
| 8200                                  | 066822U035JS2          | 0.045             | 0.025  | 4.1                 | 4.7    | 1 x 3 1/8                     |
| 8200                                  | 066R822U035JL2         | 0.067             | 0.037  | 4.0                 | 4.7    | 1 x 2 1/8                     |
| 10000                                 | 066R103U035JP2         | 0.053             | 0.030  | 4.9                 | 5.8    | 1 x 2 5/8                     |
| 10000                                 | 066X103U035JL2         | 0.067             | 0.037  | 2.8                 | 3.3    | 1 x 2 1/8                     |
| 12000                                 | 066R123U035JS2         | 0.044             | 0.025  | 5.8                 | 6.7    | 1 x 3 1/8                     |
| 12000                                 | 066X123U035JP2         | 0.053             | 0.030  | 3.5                 | 4.1    | 1 x 2 5/8                     |
| 15000                                 | 066R153U035JT2         | 0.039             | 0.023  | 6.5                 | 7.4    | 1 x 3 5/8                     |
| 18000                                 | 066X183U035JT2         | 0.039             | 0.023  | 4.6                 | 5.3    | 1 x 3 5/8                     |
| <b>50 Vdc (70 Vdc Surge)</b>          |                        |                   |        |                     |        |                               |
| 270                                   | 066271U050FE2          | 0.680             | 0.274  | 0.54                | 0.84   | 5/8 x 1 1/8                   |
| 470                                   | 066471U050GE2          | 0.450             | 0.185  | 0.68                | 1.0    | 3/4 x 1 1/8                   |
| 560                                   | 066561U050FJ2          | 0.340             | 0.141  | 0.91                | 1.4    | 5/8 x 1 5/8                   |
| 680                                   | 066681U050HE2          | 0.310             | 0.133  | 0.88                | 1.3    | 7/8 x 1 1/8                   |
| 680                                   | 066R681U050GE2         | 0.450             | 0.185  | 0.96                | 1.4    | 3/4 x 1 1/8                   |
| 820                                   | 066821U050GJ2          | 0.230             | 0.096  | 1.1                 | 1.7    | 3/4 x 1 5/8                   |
| 820                                   | 066X821U050GE2         | 0.450             | 0.185  | 0.68                | 1.0    | 3/4 x 1 1/8                   |
| 1000                                  | 066102U050JE2          | 0.240             | 0.104  | 1.0                 | 1.4    | 1 x 1 1/8                     |
| 1200                                  | 066122U050HJ2          | 0.160             | 0.067  | 1.5                 | 2.1    | 7/8 x 1 5/8                   |
| 1200                                  | 066R122U050GJ2         | 0.230             | 0.096  | 1.6                 | 2.4    | 3/4 x 1 5/8                   |
| 1500                                  | 066152U050FS2          | 0.140             | 0.060  | 2.0                 | 3.0    | 5/8 x 3 1/8                   |
| 1800                                  | 066182U050HL2          | 0.110             | 0.047  | 2.1                 | 2.9    | 7/8 x 2 1/8                   |
| 1800                                  | 066X182U050GJ2         | 0.230             | 0.096  | 1.1                 | 1.7    | 3/4 x 1 5/8                   |
| 2200                                  | 066R222U050HJ2         | 0.160             | 0.067  | 2.1                 | 3.0    | 7/8 x 1 5/8                   |
| 2700                                  | 066272U050JL2          | 0.083             | 0.039  | 2.5                 | 3.2    | 1 x 2 1/8                     |
| 2700                                  | 066X272U050HJ2         | 0.160             | 0.067  | 1.5                 | 2.1    | 7/8 x 1 5/8                   |
| 3300                                  | 066332U050HS2          | 0.068             | 0.031  | 3.1                 | 4.2    | 7/8 x 3 1/8                   |
| 3300                                  | 066R332U050HL2         | 0.110             | 0.046  | 3.0                 | 4.1    | 7/8 x 2 1/8                   |
| 3900                                  | 066392U050JP2          | 0.064             | 0.030  | 3.1                 | 4.0    | 1 x 2 5/8                     |
| 3900                                  | 066R392U050JL2         | 0.082             | 0.038  | 3.5                 | 4.6    | 1 x 2 1/8                     |
| 3900                                  | 066X392U050HL2         | 0.110             | 0.046  | 2.1                 | 2.9    | 7/8 x 2 1/8                   |
| 4700                                  | 066472U050JS2          | 0.054             | 0.026  | 3.7                 | 4.6    | 1 x 3 1/8                     |
| 5600                                  | 066562U050JT2          | 0.047             | 0.023  | 4.2                 | 5.2    | 1 x 3 5/8                     |
| 5600                                  | 066R562U050JP2         | 0.064             | 0.030  | 4.4                 | 5.7    | 1 x 2 5/8                     |
| 5600                                  | 066X562U050JL2         | 0.082             | 0.038  | 2.5                 | 3.3    | 1 x 2 1/8                     |
| 6800                                  | 066R682U050JS2         | 0.053             | 0.026  | 5.2                 | 6.6    | 1 x 3 1/8                     |
| 6800                                  | 066X682U050JP2         | 0.064             | 0.030  | 3.1                 | 4.0    | 1 x 2 5/8                     |
| 8200                                  | 066R822U050JT2         | 0.047             | 0.023  | 5.9                 | 7.4    | 1 x 3 5/8                     |
| 10000                                 | 066X103U050JS2         | 0.053             | 0.026  | 3.7                 | 4.7    | 1 x 3 1/8                     |
| 12000                                 | 066X123U050JT2         | 0.047             | 0.023  | 4.2                 | 5.2    | 1 x 3 5/8                     |
| <b>63 Vdc (80 Vdc Surge)</b>          |                        |                   |        |                     |        |                               |
| 180                                   | 066181U063FE2          | 0.810             | 0.281  | 0.48                | 0.83   | 5/8 x 1 1/8                   |
| 270                                   | 066271U063GE2          | 0.530             | 0.185  | 0.6                 | 1.0    | 3/4 x 1 1/8                   |
| 390                                   | 066391U063FJ2          | 0.410             | 0.141  | 0.81                | 1.4    | 5/8 x 1 5/8                   |
| 470                                   | 066R471U063GE2         | 0.530             | 0.185  | 0.86                | 1.4    | 3/4 x 1 1/8                   |
| 560                                   | 066561U063GJ2          | 0.270             | 0.096  | 1.0                 | 1.7    | 3/4 x 1 5/8                   |
| 560                                   | 066X561U063GE2         | 0.530             | 0.185  | 0.61                | 1.0    | 3/4 x 1 1/8                   |
| 680                                   | 066681U063JE2          | 0.280             | 0.111  | 0.96                | 1.4    | 1 x 1 1/8                     |
| 820                                   | 066821U063HJ2          | 0.180             | 0.068  | 1.3                 | 2.1    | 7/8 x 1 5/8                   |
| 820                                   | 066R821U063GJ2         | 0.270             | 0.096  | 1.4                 | 2.4    | 3/4 x 1 5/8                   |
| 1000                                  | 066102U063FS2          | 0.170             | 0.061  | 1.8                 | 2.9    | 5/8 x 3 1/8                   |
| 1200                                  | 066122U063GP2          | 0.140             | 0.053  | 2.6                 | 4.1    | 3/4 x 2 5/8                   |
| 1200                                  | 066X122U063GJ2         | 0.270             | 0.096  | 1.0                 | 1.7    | 3/4 x 1 5/8                   |
| 1500                                  | 066152U063HL2          | 0.120             | 0.047  | 1.9                 | 2.9    | 7/8 x 2 1/8                   |
| 1500                                  | 066R152U063HJ2         | 0.180             | 0.067  | 1.9                 | 2.9    | 7/8 x 1 5/8                   |
| 1800                                  | 066182U063JL2          | 0.095             | 0.039  | 2.3                 | 3.2    | 1 x 2 1/8                     |

# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

| Cap.<br>(μF)                   | Catalog<br>Part Number | ESR Max.Ω |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in)<br>D x L |
|--------------------------------|------------------------|-----------|--------|---------------------|--------|-------------------------------|
|                                |                        | 120 Hz    | 20 kHz | 120 Hz              | 20 kHz |                               |
| 63 Vdc (80 Vdc Surge) (cont'd) |                        |           |        |                     |        |                               |
| 1800                           | 066X182U063HJ2         | 0.180     | 0.067  | 1.3                 | 2.1    | 7/8 x 1 5/8                   |
| 2200                           | 066222U063HS2          | 0.079     | 0.031  | 2.9                 | 4.2    | 7/8 x 3 1/8                   |
| 2200                           | 066R222U063HL2         | 0.120     | 0.047  | 2.7                 | 4.1    | 7/8 x 2 1/8                   |
| 2700                           | 066R272U063JL2         | 0.095     | 0.039  | 3.2                 | 4.6    | 1 x 2 1/8                     |
| 2700                           | 066X272U063HL2         | 0.120     | 0.047  | 1.9                 | 2.9    | 7/8 x 2 1/8                   |
| 2700                           | 066272U063JP2          | 0.074     | 0.03   | 2.9                 | 4.0    | 1 x 2 5/8                     |
| 3300                           | 066332U063JS2          | 0.061     | 0.026  | 3.4                 | 4.6    | 1 x 3 1/8                     |
| 3900                           | 066392U063JT2          | 0.053     | 0.024  | 3.9                 | 5.2    | 1 x 3 5/8                     |
| 3900                           | 066R392U063JP2         | 0.073     | 0.03   | 4.1                 | 5.7    | 1 x 2 5/8                     |
| 3900                           | 066X392U063JL2         | 0.095     | 0.039  | 2.3                 | 3.2    | 1 x 2 1/8                     |
| 4700                           | 066R472U063JS2         | 0.061     | 0.026  | 4.8                 | 6.6    | 1 x 3 1/8                     |
| 5600                           | 066R562U063JT2         | 0.053     | 0.024  | 5.5                 | 7.3    | 1 x 3 5/8                     |
| 5600                           | 066X562U063JP2         | 0.073     | 0.030  | 2.9                 | 4.0    | 1 x 2 5/8                     |
| 6800                           | 066X682U063JS2         | 0.061     | 0.026  | 3.4                 | 4.6    | 1 x 3 1/8                     |
| 8200                           | 066X822U063JT2         | 0.053     | 0.024  | 3.9                 | 5.2    | 1 x 3 5/8                     |
| 100 Vdc (125 Vdc Surge)        |                        |           |        |                     |        |                               |
| 68                             | 066680U100FE2          | 1.100     | 0.296  | 0.4                 | 0.8    | 5/8 x 1 1/8                   |
| 120                            | 066121U100GE2          | 0.710     | 0.193  | 0.51                | 0.97   | 3/4 x 1 1/8                   |
| 150                            | 066151U100FJ2          | 0.550     | 0.148  | 0.68                | 1.3    | 5/8 x 1 5/8                   |
| 180                            | 066181U100HE2          | 0.480     | 0.141  | 0.67                | 1.2    | 7/8 x 1 1/8                   |
| 220                            | 066221U100GJ2          | 0.360     | 0.096  | 0.86                | 1.6    | 3/4 x 1 5/8                   |
| 220                            | 066R221U100GE2         | 0.710     | 0.193  | 0.72                | 1.4    | 3/4 x 1 1/8                   |
| 270                            | 066271U100JE2          | 0.360     | 0.111  | 0.82                | 1.4    | 1 x 1 1/8                     |
| 270                            | 066X271U100GE2         | 0.710     | 0.193  | 0.51                | 0.98   | 3/4 x 1 1/8                   |
| 390                            | 066391U100HJ2          | 0.240     | 0.07   | 1.1                 | 2.0    | 7/8 x 1 5/8                   |
| 470                            | 066471U100GP2          | 0.190     | 0.055  | 2.2                 | 4.0    | 3/4 x 2 5/8                   |
| 470                            | 066R471U100GJ2         | 0.360     | 0.096  | 1.2                 | 2.3    | 3/4 x 1 5/8                   |
| 560                            | 066561U100HL2          | 0.160     | 0.049  | 1.6                 | 2.8    | 7/8 x 2 1/8                   |
| 560                            | 066X561U100GJ2         | 0.360     | 0.096  | 0.86                | 1.6    | 3/4 x 1 5/8                   |
| 680                            | 066681U100JL2          | 0.120     | 0.04   | 2.0                 | 3.2    | 1 x 2 1/8                     |
| 680                            | 066R681U100HJ2         | 0.240     | 0.07   | 1.6                 | 2.9    | 7/8 x 1 5/8                   |
| 820                            | 066821U100HS2          | 0.100     | 0.033  | 2.5                 | 4.1    | 7/8 x 3 1/8                   |
| 820                            | 066X821U100HJ2         | 0.240     | 0.07   | 1.1                 | 2.0    | 7/8 x 1 5/8                   |
| 1000                           | 066102U100JP2          | 0.095     | 0.032  | 2.5                 | 3.9    | 1 x 2 5/8                     |
| 1000                           | 066R102U100HL2         | 0.160     | 0.049  | 2.3                 | 4.0    | 7/8 x 2 1/8                   |
| 1200                           | 066122U100JS2          | 0.078     | 0.027  | 3.0                 | 4.5    | 1 x 3 1/8                     |
| 1200                           | 066X122U100HL2         | 0.160     | 0.049  | 1.6                 | 2.8    | 7/8 x 2 1/8                   |
| 1500                           | 066152U100JT2          | 0.067     | 0.024  | 3.4                 | 5.1    | 1 x 3 5/8                     |
| 1500                           | 066R152U100JL2         | 0.120     | 0.04   | 2.8                 | 4.5    | 1 x 2 1/8                     |
| 1800                           | 066R182U100JP2         | 0.094     | 0.031  | 3.5                 | 5.6    | 1 x 2 5/8                     |
| 1800                           | 066X182U100JL2         | 0.120     | 0.04   | 2.0                 | 3.2    | 1 x 2 1/8                     |
| 2200                           | 066R222U100JS2         | 0.078     | 0.027  | 4.2                 | 6.4    | 1 x 3 1/8                     |
| 2200                           | 066X222U100JP2         | 0.094     | 0.031  | 2.5                 | 3.9    | 1 x 2 5/8                     |
| 2700                           | 066R272U100JT2         | 0.067     | 0.024  | 4.9                 | 7.2    | 1 x 3 5/8                     |
| 3300                           | 066X332U100JS2         | 0.078     | 0.027  | 3.0                 | 4.6    | 1 x 3 1/8                     |
| 3900                           | 066X392U100JT2         | 0.067     | 0.024  | 3.4                 | 5.1    | 1 x 3 5/8                     |
| 200 Vdc (250 Vdc Surge)        |                        |           |        |                     |        |                               |
| 22                             | 066220U200FE2          | 2.000     | 0.889  | 0.3                 | 0.43   | 5/8 x 1 1/8                   |
| 33                             | 066330U200GE2          | 1.300     | 0.563  | 0.39                | 0.54   | 3/4 x 1 1/8                   |
| 33                             | 066R330U200GE2         | 1.300     | 0.563  | 0.55                | 0.76   | 3/4 x 1 1/8                   |
| 47                             | 066470U200FJ2          | 0.990     | 0.437  | 0.52                | 0.72   | 5/8 x 1 5/8                   |
| 56                             | 066560U200HE2          | 0.840     | 0.378  | 0.52                | 0.71   | 7/8 x 1 1/8                   |
| 56                             | 066R560U200GJ2         | 0.640     | 0.281  | 0.93                | 1.30   | 3/4 x 1 5/8                   |
| 68                             | 066680U200GJ2          | 0.640     | 0.281  | 0.66                | 0.91   | 3/4 x 1 5/8                   |
| 82                             | 066820U200JE2          | 0.620     | 0.281  | 0.65                | 0.87   | 1 x 1 1/8                     |

| Cap.<br>(μF)                     | Catalog<br>Part Number | ESR Max.Ω |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in)<br>D x L |
|----------------------------------|------------------------|-----------|--------|---------------------|--------|-------------------------------|
|                                  |                        | 120 Hz    | 20 kHz | 120 Hz              | 20 kHz |                               |
| 200 Vdc (250 Vdc Surge) (cont'd) |                        |           |        |                     |        |                               |
| 100                              | 066R101U200HJ2         | 0.420     | 0.193  | 1.2                 | 1.7    | 7/8 x 1 1/8                   |
| 120                              | 066121U200HJ2          | 0.420     | 0.193  | 0.88                | 1.2    | 7/8 x 1 5/8                   |
| 150                              | 066151U200GP2          | 0.320     | 0.141  | 1.7                 | 2.4    | 3/4 x 2 5/8                   |
| 150                              | 066R151U200HL2         | 0.280     | 0.126  | 1.8                 | 2.4    | 7/8 x 2 1/8                   |
| 180                              | 066181U200HL2          | 0.280     | 0.126  | 1.3                 | 1.7    | 7/8 x 2 1/8                   |
| 220                              | 066221U200JL2          | 0.210     | 0.096  | 1.6                 | 2.1    | 1 x 2 1/8                     |
| 220                              | 066R221U200JL2         | 0.210     | 0.096  | 2.2                 | 2.9    | 1 x 2 1/8                     |
| 270                              | 066271U200HS2          | 0.170     | 0.081  | 2.0                 | 2.6    | 7/8 x 3 1/8                   |
| 270                              | 066R271U200JP2         | 0.160     | 0.073  | 2.8                 | 3.7    | 1 x 2 5/8                     |
| 330                              | 066331U200JP2          | 0.160     | 0.073  | 2.0                 | 2.6    | 1 x 2 5/8                     |
| 330                              | 066R331U200JS2         | 0.130     | 0.061  | 3.4                 | 4.4    | 1 x 3 1/8                     |
| 390                              | 066R391U200JT2         | 0.110     | 0.052  | 3.9                 | 5.1    | 1 x 3 5/8                     |
| 390                              | 066391U200JS2          | 0.130     | 0.061  | 2.4                 | 3.1    | 1 x 3 1/8                     |
| 470                              | 066471U200JT2          | 0.110     | 0.052  | 2.8                 | 3.6    | 1 x 3 5/8                     |
| 250 Vdc (300 Vdc Surge)          |                        |           |        |                     |        |                               |
| 22                               | 066220U250FE2          | 2.200     | 0.889  | 0.29                | 0.42   | 5/8 x 1 1/8                   |
| 22                               | 066R220U250GE2         | 1.400     | 0.570  | 0.52                | 0.75   | 3/4 x 1 1/8                   |
| 33                               | 066330U250GE2          | 1.400     | 0.570  | 0.36                | 0.53   | 3/4 x 1 1/8                   |
| 39                               | 066390U250FJ2          | 1.100     | 0.444  | 0.49                | 0.71   | 5/8 x 1 5/8                   |
| 47                               | 066470U250HE2          | 0.930     | 0.385  | 0.49                | 0.71   | 7/8 x 1 1/8                   |
| 47                               | 066R470U250GJ2         | 0.700     | 0.289  | 0.87                | 1.3    | 3/4 x 1 5/8                   |
| 56                               | 066560U250GJ2          | 0.700     | 0.289  | 0.62                | 0.9    | 3/4 x 1 5/8                   |
| 68                               | 066680U250JE2          | 0.680     | 0.281  | 0.61                | 0.86   | 1 x 1 1/8                     |
| 68                               | 066R680U250HJ2         | 0.470     | 0.193  | 1.2                 | 1.7    | 7/8 x 1 5/8                   |
| 100                              | 066101U250HJ2          | 0.470     | 0.193  | 0.83                | 1.2    | 7/8 x 1 5/8                   |
| 120                              | 066121U250GP2          | 0.360     | 0.148  | 1.6                 | 2.3    | 3/4 x 2 5/8                   |
| 120                              | 066R121U250HL2         | 0.310     | 0.133  | 1.7                 | 2.4    | 7/8 x 2 1/8                   |
| 150                              | 066151U250HL2          | 0.310     | 0.133  | 1.2                 | 1.7    | 7/8 x 2 1/8                   |
| 150                              | 066R151U250JL2         | 0.230     | 0.096  | 2.1                 | 2.9    | 1 x 2 1/8                     |
| 220                              | 066221U250JL2          | 0.230     | 0.096  | 1.5                 | 2.0    | 1 x 2 1/8                     |
| 220                              | 066R221U250JP2         | 0.170     | 0.074  | 2.7                 | 3.7    | 1 x 2 5/8                     |
| 270                              | 066271U250JP2          | 0.170     | 0.074  | 1.9                 | 2.6    | 1 x 2 5/8                     |
| 270                              | 066R271U250JS2         | 0.140     | 0.061  | 3.2                 | 4.4    | 1 x 3 1/8                     |
| 330                              | 066331U250JS2          | 0.140     | 0.061  | 2.3                 | 3.1    | 1 x 3 1/8                     |
| 330                              | 066R331U250JT2         | 0.120     | 0.053  | 3.7                 | 5.0    | 1 x 3 5/8                     |
| 390                              | 066391U250JT2          | 0.120     | 0.053  | 2.6                 | 3.6    | 1 x 3 5/8                     |
| 300 Vdc (350 Vdc Surge)          |                        |           |        |                     |        |                               |
| 15                               | 066150U300FE2          | 4.600     | 2.300  | 0.21                | 0.28   | 5/8 x 1 1/8                   |
| 22                               | 066220U300GE2          | 2.900     | 1.218  | 0.27                | 0.36   | 3/4 x 1 1/8                   |
| 22                               | 066R220U300GE2         | 2.900     | 1.118  | 0.39                | 0.51   | 3/4 x 1 1/8                   |
| 27                               | 066270U300FJ2          | 2.300     | 1.110  | 0.36                | 0.48   | 5/8 x 1 5/8                   |
| 39                               | 066390U300HE2          | 1.900     | 0.963  | 0.37                | 0.48   | 7/8 x 1 1/8                   |
| 39                               | 066R390U300GJ2         | 1.500     | 0.733  | 0.66                | 0.86   | 3/4 x 1 5/8                   |
| 47                               | 066470U300GJ2          | 1.500     | 0.733  | 0.46                | 0.61   | 3/4 x 1 5/8                   |
| 56                               | 066R560U300HJ2         | 0.960     | 0.481  | 0.88                | 1.20   | 7/8 x 1 5/8                   |
| 68                               | 066680U300HJ2          | 0.960     | 0.481  | 0.62                | 0.82   | 7/8 x 1 5/8                   |
| 100                              | 066101U300GP2          | 0.740     | 0.370  | 1.2                 | 1.60   | 3/4 x 2 5/8                   |
| 100                              | 066R101U300HL2         | 0.640     | 0.326  | 1.3                 | 1.70   | 7/8 x 2 1/8                   |
| 120                              | 066121U300HL2          | 0.640     | 0.326  | 0.89                | 1.20   | 7/8 x 2 1/8                   |
| 120                              | 066R121U300JL2         | 0.460     | 0.237  | 1.6                 | 2.10   | 1 x 2 1/8                     |
| 150                              | 066151U300JL2          | 0.460     | 0.237  | 1.1                 | 1.50   | 1 x 2 1/8                     |
| 180                              | 066181U300HS2          | 0.390     | 0.200  | 1.4                 | 1.80   | 7/8 x 3 1/8                   |
| 180                              | 066R181U300JP2         | 0.350     | 0.178  | 2.0                 | 2.60   | 1 x 2 5/8                     |
| 220                              | 066221U300JP2          | 0.350     | 0.178  | 1.4                 | 1.90   | 1 x 2 5/8                     |
| 220                              | 066R221U300JS2         | 0.280     | 0.141  | 2.5                 | 3.20   | 1 x 3 1/8                     |

# Type 066/066R 85 °C & 105 °C, Standard, Axial Leaded, Aluminum

| Cap.<br>(μF)                            | Catalog<br>Part Number | ESR Max.Ω |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in) |
|-----------------------------------------|------------------------|-----------|--------|---------------------|--------|----------------------|
|                                         |                        | 120 Hz    | 20 kHz | 120 Hz              | 20 kHz | D x L                |
| <b>300 Vdc (350 Vdc Surge) (cont'd)</b> |                        |           |        |                     |        |                      |
| 270                                     | 066271U300JS2          | 0.280     | 0.141  | 1.7                 | 2.2    | 1 x 3 1/8            |
| 270                                     | 066R271U300JT2         | 0.240     | 0.119  | 2.9                 | 3.7    | 1 x 3 5/8            |
| 330                                     | 066331U300JT2          | 0.240     | 0.119  | 2.1                 | 2.6    | 1 x 3 5/8            |
| <b>350 Vdc (400 Vdc Surge)</b>          |                        |           |        |                     |        |                      |
| 12                                      | 066120U350FE2          | 5.000     | 2.37   | 0.20                | 0.28   | 5/8 x 1 1/8          |
| 18                                      | 066180U350GE2          | 3.200     | 1.48   | 0.26                | 0.35   | 3/4 x 1 1/8          |
| 18                                      | 066R180U350GE2         | 3.200     | 1.48   | 0.36                | 0.50   | 3/4 x 1 1/8          |
| 22                                      | 066220U350FJ2          | 2.500     | 1.19   | 0.34                | 0.47   | 5/8 x 1 5/8          |
| 27                                      | 066270U350HE2          | 2.100     | 0.963  | 0.35                | 0.47   | 7/8 x 1 1/8          |
| 33                                      | 066330U350GJ2          | 1.600     | 0.741  | 0.44                | 0.6    | 3/4 x 1 5/8          |
| 33                                      | 066R330U350GJ2         | 1.600     | 0.741  | 0.62                | 0.84   | 3/4 x 1 5/8          |
| 39                                      | 066390U350JE2          | 1.500     | 0.719  | 0.44                | 0.59   | 1 x 1 1/8            |
| 56                                      | 066560U350HJ2          | 1.000     | 0.496  | 0.59                | 0.80   | 7/8 x 1 5/8          |
| 56                                      | 066R560U350HJ2         | 1.000     | 0.496  | 0.83                | 1.10   | 7/8 x 1 5/8          |
| 68                                      | 066680U350GP2          | 0.800     | 0.378  | 1.10                | 1.60   | 3/4 x 2 5/8          |
| 82                                      | 066820U350HL2          | 0.700     | 0.333  | 0.84                | 1.10   | 7/8 x 2 1/8          |
| 82                                      | 066R820U350HL2         | 0.700     | 0.333  | 1.2                 | 1.60   | 7/8 x 2 1/8          |
| 120                                     | 066R121U350JL2         | 0.500     | 0.244  | 1.5                 | 2.00   | 1 x 2 1/8            |
| 120                                     | 066121U350JL2          | 0.500     | 0.244  | 1.1                 | 1.40   | 1 x 2 1/8            |
| 150                                     | 066151U350JP2          | 0.380     | 0.185  | 1.4                 | 1.80   | 1 x 2 5/8            |
| 150                                     | 066R151U350JP2         | 0.380     | 0.185  | 1.9                 | 2.60   | 1 x 2 5/8            |
| 180                                     | 066181U350JS2          | 0.310     | 0.148  | 1.7                 | 2.20   | 1 x 3 1/8            |
| 180                                     | 066R181U350JS2         | 0.310     | 0.148  | 2.3                 | 3.10   | 1 x 3 1/8            |
| 220                                     | 066221U350JT2          | 0.260     | 0.126  | 1.9                 | 2.60   | 1 x 3 5/8            |
| 220                                     | 066R221U350JT2         | 0.260     | 0.126  | 2.7                 | 3.60   | 1 x 3 5/8            |
| <b>400 Vdc (450 Vdc Surge)</b>          |                        |           |        |                     |        |                      |
| 10                                      | 066100U400FE2          | 5.400     | 2.370  | 0.19                | 0.27   | 5/8 x 1 1/8          |
| 12                                      | 066R120U400GE2         | 3.500     | 1.560  | 0.34                | 0.49   | 3/4 x 1 1/8          |
| 15                                      | 066150U400GE2          | 3.500     | 1.560  | 0.24                | 0.34   | 3/4 x 1 1/8          |
| 18                                      | 066180U400FJ2          | 2.700     | 1.190  | 0.32                | 0.46   | 5/8 x 1 5/8          |
| 22                                      | 066220U400HE2          | 2.300     | 1.040  | 0.33                | 0.46   | 7/8 x 1 1/8          |
| 27                                      | 066270U400GJ2          | 1.700     | 0.741  | 0.41                | 0.58   | 3/4 x 1 5/8          |
| 27                                      | 066R270U400GJ2         | 1.700     | 0.741  | 0.58                | 0.83   | 3/4 x 1 5/8          |
| 33                                      | 066330U400JE2          | 1.600     | 0.733  | 0.42                | 0.58   | 1 x 1 1/8            |
| 39                                      | 066390U400HJ2          | 1.100     | 0.511  | 0.79                | 1.10   | 7/8 x 1 5/8          |
| 47                                      | 066470U400HJ2          | 1.100     | 0.511  | 0.56                | 0.78   | 7/8 x 1 5/8          |
| 56                                      | 066560U400GP2          | 0.870     | 0.393  | 1.1                 | 1.5    | 3/4 x 2 5/8          |
| 56                                      | 066R560U400HL2         | 0.760     | 0.341  | 1.1                 | 1.6    | 7/8 x 2 1/8          |
| 68                                      | 066680U400HL2          | 0.760     | 0.341  | 0.8                 | 1.1    | 7/8 x 2 1/8          |
| 82                                      | 066R820U400JL2         | 0.550     | 0.244  | 1.4                 | 2.0    | 1 x 2 1/8            |
| 100                                     | 066101U400JL2          | 0.550     | 0.244  | 1.0                 | 1.4    | 1 x 2 1/8            |
| 100                                     | 066R101U400JP2         | 0.410     | 0.185  | 1.8                 | 2.5    | 1 x 2 5/8            |
| 120                                     | 066121U400JP2          | 0.410     | 0.185  | 1.3                 | 1.8    | 1 x 2 5/8            |
| 120                                     | 066R121U400JS2         | 0.330     | 0.148  | 2.2                 | 3.1    | 1 x 3 1/8            |
| 150                                     | 066151U400JS2          | 0.330     | 0.148  | 1.6                 | 2.2    | 1 x 3 1/8            |
| 150                                     | 066R151U400JT2         | 0.280     | 0.126  | 2.6                 | 3.6    | 1 x 3 5/8            |
| 180                                     | 066181U400JT2          | 0.280     | 0.126  | 1.8                 | 2.5    | 1 x 3 5/8            |

| Cap.<br>(μF)                   | Catalog<br>Part Number | ESR Max.Ω |        | Ripple A<br>@ 85 °C |        | Nominal<br>Size (in) |
|--------------------------------|------------------------|-----------|--------|---------------------|--------|----------------------|
|                                |                        | 120 Hz    | 20 kHz | 120 Hz              | 20 kHz | D x L                |
| <b>450 Vdc (500 Vdc Surge)</b> |                        |           |        |                     |        |                      |
| 8.2                            | 0668R2U450FE2          | 6.20      | 2.740  | 0.18                | 0.25   | 5/8 x 1 1/8          |
| 12                             | 066120U450GE2          | 4.00      | 1.780  | 0.23                | 0.32   | 3/4 x 1 1/8          |
| 15                             | 066150U450FJ2          | 3.10      | 1.410  | 0.30                | 0.43   | 5/8 x 1 5/8          |
| 18                             | 066180U450HE2          | 2.60      | 1.190  | 0.31                | 0.44   | 7/8 x 1 1/8          |
| 27                             | 066270U450GJ2          | 2.00      | 0.889  | 0.39                | 0.55   | 3/4 x 1 5/8          |
| 39                             | 066390U450HJ2          | 1.30      | 0.585  | 0.52                | 0.73   | 7/8 x 1 5/8          |
| 47                             | 066470U450GP2          | 1.00      | 0.444  | 1.00                | 1.40   | 3/4 x 2 5/8          |
| 56                             | 066560U450HL2          | 0.87      | 0.393  | 0.75                | 1.00   | 7/8 x 2 1/8          |
| 82                             | 066820U450JL2          | 0.63      | 0.281  | 0.94                | 1.30   | 1 x 2 1/8            |
| 100                            | 066101U450JP2          | 0.47      | 0.215  | 1.20                | 1.70   | 1 x 2 5/8            |
| 120                            | 066121U450JS2          | 0.38      | 0.170  | 1.50                | 2.00   | 1 x 3 1/8            |
| 150                            | 066151U450JT2          | 0.32      | 0.148  | 1.70                | 2.40   | 1 x 3 5/8            |

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- 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.);

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- Подбор аналогов;
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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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