

# Type 101C –55 °C to 105 °C Low-ESR, Wide-Temperature Grade



## The Ultimate in Cold Performance and ESR

The Type 101C is the wide-temperature, low voltage version of the Type 550C. It is ideal for high-ripple current military and industrial applications that need full performance to –40 °C and solid performance to –55 °C. It also excels as a power-supply output capacitor because of its exceptionally low ESR. The extended cathode foil of the 101C assures heat flow from the capacitor element to the can in all mounting orientations.

## Highlights

- 5,000 hour load life
- Ripple Current to > 100 amps @ 55 °C
- ESRs to 2.5 mΩ
- > 90% capacitance at –40 °C
- Thermal-Pak™ extended cathode construction

## Specifications

**Operating Temperature:** –55 °C to +105 °C

**Rated Voltage:** 7.5 to 250 Vdc

**Capacitance:** 290 µF to 1.5 F

**Capacitance Tolerance:** 7.5 to 150 Vdc: –10% +75%, 200 & 250 Vdc: 10 +50%

**DC Leakage Current:**  $\leq 1.5\sqrt{CV}$  µA (4mA max. 5 minutes)

**Cold Impedance:** –55 °C multiple of 25 °C  $Z \leq 3$

**Ripple Current Multipliers:**

### Ambient Temperature

| 45 °C | 55 °C | 65 °C | 75 °C | 85 °C | 95 °C | 105 °C |
|-------|-------|-------|-------|-------|-------|--------|
| 1.66  | 1.52  | 1.37  | 1.20  | 1.00  | 0.75  | 0.36   |

### Frequency

|                                      | 50 Hz | 60 Hz | 120 Hz | 360 Hz | 1 kHz | 5 kHz | 10 kHz & up |
|--------------------------------------|-------|-------|--------|--------|-------|-------|-------------|
| <b>1 3/8" &amp; 1 3/4" Diameters</b> |       |       |        |        |       |       |             |
| 7.5 to 150 V                         | 0.91  | 0.93  | 1.00   | 1.06   | 1.08  | 1.09  | 1.09        |
| 200 & 250 V                          | 0.82  | 0.86  | 1.00   | 1.14   | 1.20  | 1.23  | 1.23        |
| <b>2" &amp; 2 1/2" Diameters</b>     |       |       |        |        |       |       |             |
| 7.5 to 150 V                         | 0.92  | 0.94  | 1.00   | 1.05   | 1.07  | 1.08  | 1.08        |
| 200 & 250 V                          | 0.82  | 0.86  | 1.00   | 1.14   | 1.20  | 1.23  | 1.27        |
| <b>3" Diameters</b>                  |       |       |        |        |       |       |             |
| 7.5 to 150 V                         | 0.95  | 0.96  | 1.00   | 1.03   | 1.04  | 1.05  | 1.05        |
| 200 & 250 V                          | 0.85  | 0.88  | 1.00   | 1.11   | 1.15  | 1.18  | 1.18        |



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

**EIA Ripple Life:** 5,000 h at full load @ 85 °C per EIA IS-749

ΔCapacitance ±20%

ESR 200% of limit

DCL 100% of limit

**Life Test:** 2,000 h at 105 °C and rated voltage

ΔCapacitance ±20%

ESR 200% of limit

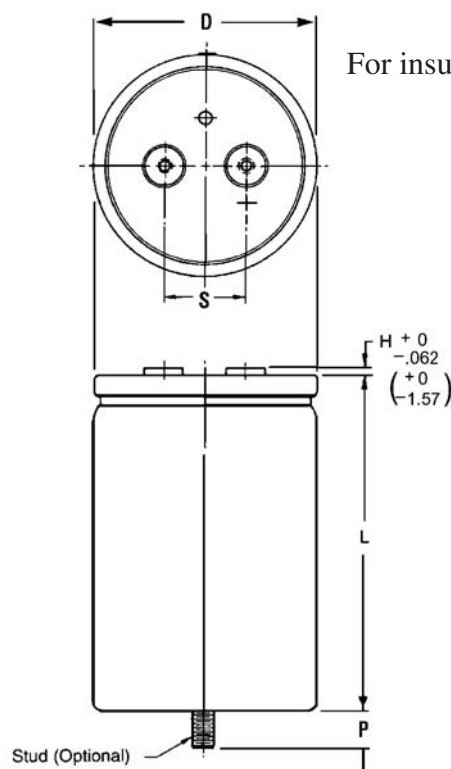
DCL 100% of limit

**Shelf Life:** 500 h @ 105 °C, Capacitance, ESR and DCL, initial requirements.

**Vibration:** 10 to 55 Hz, 0.06" and 10 g max, 1.5 h ea. of 2 axis

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## Outline Drawing



## Case Dimensions

### Uninsulated Case Dimensions

For insulated case, add 0.024"(0.610 mm) to "D" and 0.030"(0.762 mm) to height.

| Case Code | Diam. (D)    |         | Length (L)   |          | Terminals (S) |         | Typical Weight |      |
|-----------|--------------|---------|--------------|----------|---------------|---------|----------------|------|
|           | ±.031 Inches | ±.78 mm | ±.062 Inches | ±1.57 mm | ±0.015 Inches | ±.38 mm | oz             | g    |
| AK        | 1.375        | 34.93   | 1.625        | 41.28    | 0.50          | 12.70   | 1.9            | 54   |
| AA        | 1.375        | 34.93   | 2.125        | 53.98    | 0.50          | 12.70   | 2.0            | 57   |
| AH        | 1.375        | 34.93   | 2.625        | 66.68    | 0.50          | 12.70   | 2.7            | 77   |
| AB        | 1.375        | 34.93   | 3.125        | 79.38    | 0.50          | 12.70   | 3.3            | 94   |
| AJ        | 1.375        | 34.93   | 3.625        | 92.08    | 0.50          | 12.70   | 3.8            | 108  |
| AC        | 1.375        | 34.93   | 4.125        | 104.78   | 0.50          | 12.70   | 4.4            | 125  |
| AD        | 1.375        | 34.93   | 4.625        | 117.48   | 0.50          | 12.70   | 5.1            | 145  |
| AE        | 1.375        | 34.93   | 5.125        | 130.18   | 0.50          | 12.70   | 6.8            | 193  |
| AF        | 1.375        | 34.93   | 5.625        | 142.88   | 0.50          | 12.70   | 8.1            | 230  |
| EA        | 1.750        | 44.45   | 2.125        | 53.98    | 0.75          | 19.05   | 2.7            | 76   |
| EH        | 1.750        | 44.45   | 2.625        | 66.68    | 0.75          | 19.05   | 3.8            | 108  |
| EB        | 1.750        | 44.45   | 3.125        | 79.38    | 0.75          | 19.05   | 5.1            | 145  |
| EJ        | 1.750        | 44.45   | 3.625        | 92.08    | 0.75          | 19.05   | 6.8            | 193  |
| EC        | 1.750        | 44.45   | 4.125        | 104.78   | 0.75          | 19.05   | 8.1            | 230  |
| ED        | 1.750        | 44.45   | 4.625        | 117.48   | 0.75          | 19.05   | 9.0            | 255  |
| EE        | 1.750        | 44.45   | 5.125        | 130.18   | 0.75          | 19.05   | 9.5            | 269  |
| EF        | 1.750        | 44.45   | 5.625        | 142.88   | 0.75          | 19.05   | 10.5           | 298  |
| BA        | 2.000        | 50.80   | 2.125        | 53.98    | 0.75          | 22.23   | 5.4            | 153  |
| BH        | 2.000        | 50.80   | 2.625        | 66.68    | 0.75          | 22.23   | 6.1            | 173  |
| BB        | 2.000        | 50.80   | 3.125        | 79.38    | 0.75          | 22.23   | 6.8            | 193  |
| BJ        | 2.000        | 50.80   | 3.625        | 92.08    | 0.75          | 22.23   | 8.2            | 232  |
| BC        | 2.000        | 50.80   | 4.125        | 104.78   | 0.75          | 22.23   | 9.5            | 269  |
| BD        | 2.000        | 50.80   | 4.625        | 117.48   | 0.75          | 22.23   | 10.3           | 292  |
| BE        | 2.000        | 50.80   | 5.125        | 130.18   | 0.75          | 22.23   | 10.7           | 303  |
| BF        | 2.000        | 50.80   | 5.625        | 142.88   | 0.75          | 22.23   | 13.0           | 369  |
| CH        | 2.500        | 63.50   | 2.625        | 66.68    | 1.25          | 28.58   | 9.2            | 261  |
| CB        | 2.500        | 63.50   | 3.125        | 79.38    | 1.25          | 28.58   | 10.4           | 295  |
| CJ        | 2.500        | 63.50   | 3.625        | 92.08    | 1.25          | 28.58   | 12.7           | 361  |
| CC        | 2.500        | 63.50   | 4.125        | 104.78   | 1.25          | 28.58   | 15.0           | 425  |
| CD        | 2.500        | 63.50   | 4.625        | 117.48   | 1.25          | 28.58   | 17.2           | 488  |
| CE        | 2.500        | 63.50   | 5.125        | 130.18   | 1.25          | 28.58   | 19.3           | 547  |
| CF        | 2.500        | 63.50   | 5.625        | 142.88   | 1.25          | 28.58   | 21.4           | 607  |
| DB        | 3.000        | 76.20   | 3.125        | 79.38    | 1.25          | 31.75   | 16.7           | 473  |
| DJ        | 3.000        | 76.20   | 3.625        | 92.08    | 1.25          | 31.75   | 20.0           | 567  |
| DC        | 3.000        | 76.20   | 4.125        | 104.78   | 1.25          | 31.75   | 22.2           | 629  |
| DD        | 3.000        | 76.20   | 4.625        | 117.48   | 1.25          | 31.75   | 25.5           | 723  |
| DE        | 3.000        | 76.20   | 5.125        | 130.18   | 1.25          | 31.75   | 30.0           | 850  |
| DF        | 3.000        | 76.20   | 5.625        | 142.88   | 1.25          | 31.75   | 31.9           | 904  |
| DP        | 3.000        | 76.20   | 5.875        | 149.23   | 1.25          | 31.75   | 32.8           | 931  |
| DN        | 3.000        | 76.20   | 7.625        | 193.68   | 1.25          | 31.75   | 39.5           | 1119 |
| DG        | 3.000        | 76.20   | 8.625        | 219.08   | 1.25          | 31.75   | 43.3           | 1227 |

NOTE: With the stud-mount feature, a thermally-conductive disk can be inserted in the bottom flush with the outer insulating sleeve. This reduces the thermal resistance through the can bottom by 0.3 °C/W. Can Style P.

## Stud Dimensions

| Case Diam. | Stud Thread | P±0.039"<br>(±1.0 mm) |
|------------|-------------|-----------------------|
| 1.38       | M8          | 0.470" (12.0)         |
| 1.75       | M8          | 0.470" (12.0)         |
| 2.00       | M12         | 0.630" (16.0)         |
| 2.50       | M12         | 0.630" (16.0)         |
| 3.00       | M12         | 0.630" (16.0)         |

## Terminal Dimensions

| Terminal Style    | For Case Diameters | Code | Post Diameter in mm | H max in mm | Thread | min Full Thread in mm | Torque in-lb N-m |
|-------------------|--------------------|------|---------------------|-------------|--------|-----------------------|------------------|
| Low Post          | 1⅜ to 3            | A    | 0.314 8.0           | 0.094 2.4   | 10-32  | 0.218 5.5             | 25 2.82          |
| High Post         | 1⅜ to 3            | B    | 0.314 8.0           | 0.281 7.1   | 10-32  | 0.375 9.5             | 25 2.82          |
| High Current, Med | 2½ & 3             | D    | 0.434 11.0          | 0.190 4.8   | ¼-28   | 0.312 7.9             | 50 5.65          |

[Click here to see Hardware & Mounting Options](#)

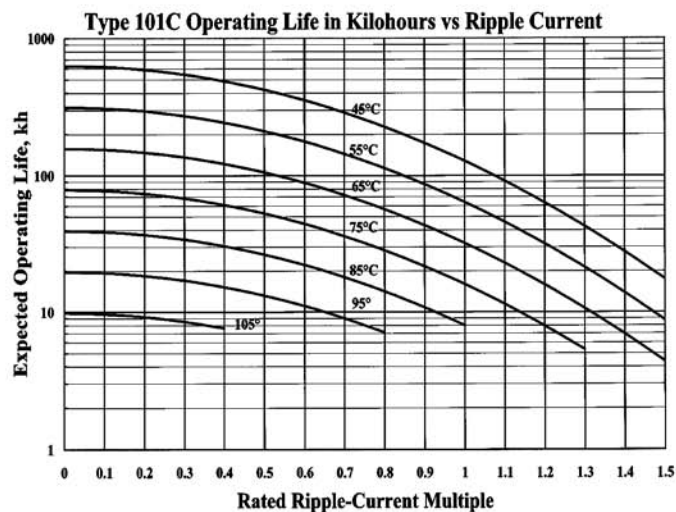
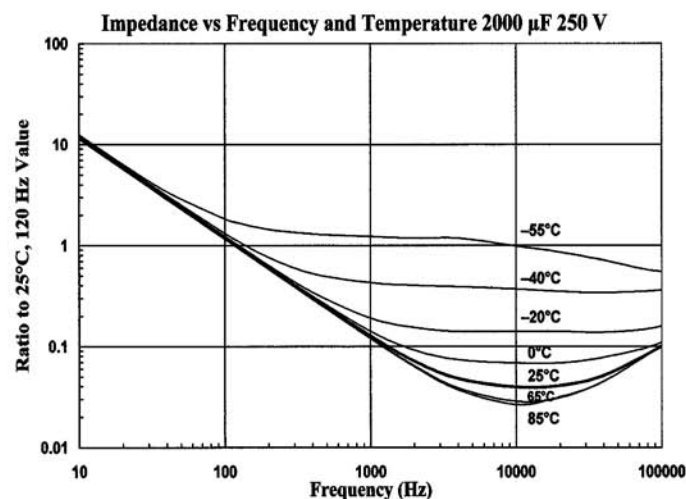
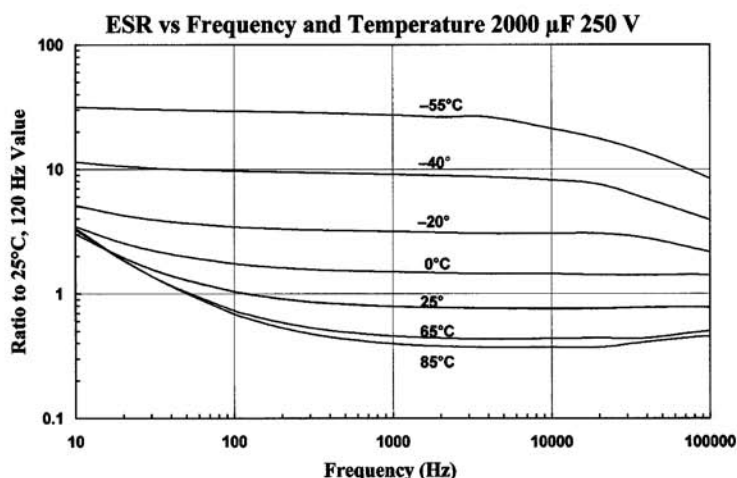
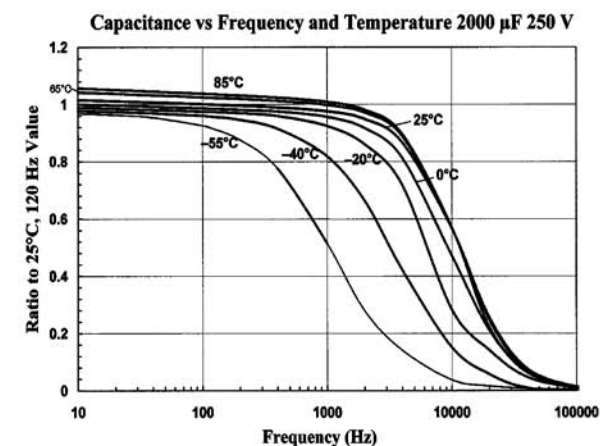
# Type 101C $-55^{\circ}\text{C}$ to $105^{\circ}\text{C}$ Low-ESR, Wide-Temperature Grade

## Part Numbering System

|      |                            |                  |               |           |               |                  |           |
|------|----------------------------|------------------|---------------|-----------|---------------|------------------|-----------|
| 101C | 183                        | T                | 250           | DG        | 2             | D                | S         |
| Type | Capacitance                | Tolerance        | Voltage       | Case Code | Insulation    | Terminal         | Can Style |
|      | 100 = 10 $\mu\text{F}$     | M = $\pm 20\%$   | 7R5 = 7.5 Vdc |           | 0 = None      | A = Low Post     | Blank =   |
|      | 101 = 100 $\mu\text{F}$    | U = $-10\%+75\%$ | 063 = 63 Vdc  |           | 1 = Polyester | B = High Post    | Standard  |
|      | 183 = 18,000 $\mu\text{F}$ | T = $-10\%+50\%$ | 100 = 100 Vdc |           | 2 = PVC       | D = High Current | Can       |
|      |                            |                  |               |           |               |                  | S = Stud  |
|      |                            |                  |               |           |               |                  | Bottom    |
|      |                            |                  |               |           |               |                  | P = Stud  |
|      |                            |                  |               |           |               |                  | with      |
|      |                            |                  |               |           |               |                  | Thermal   |
|      |                            |                  |               |           |               |                  | Pad       |

Standard insulation is 0.008-in PVC sleeve with 0.01-in polypropylene end disk.

## Typical Performance Curves



# Type 101C -55 °C to 105 °C Low-ESR, Wide-Temperature Grade

## Ratings

| Cap.<br>(µF)           | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) | Cap.<br>(µF)          | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|-----------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 7.5 Vdc (10 Vdc Surge) |                        |                                       |                                        |                                   | 74000                 | 101C743U010AB2B        | 14.6                                  | 14.2                                   | 1 3/8 x 3 1/8                     |
| 28000                  | 101C283U7R5AK2B        | 38.2                                  | 6.1                                    | 1 3/8 x 1 5/8                     | 89000                 | 101C893U010AJ2B        | 12.5                                  | 16.4                                   | 1 3/8 x 3 5/8                     |
| 47000                  | 101C473U7R5AA2B        | 25.0                                  | 8.7                                    | 1 3/8 x 2 1/8                     | 99000                 | 101C993U010EH2B        | 16.6                                  | 14.6                                   | 1 3/4 x 2 5/8                     |
| 66000                  | 101C663U7R5AH2B        | 19.0                                  | 11.4                                   | 1 3/8 x 2 5/8                     | 110000                | 101C114U010BH2B        | 12.1                                  | 18.6                                   | 2 x 2 5/8                         |
| 79000                  | 101C793U7R5BA2B        | 18.3                                  | 14.0                                   | 2 x 2 1/8                         | 110000                | 101C114U010AC2B        | 11.3                                  | 18.1                                   | 1 3/8 x 4 1/8                     |
| 84000                  | 101C843U7R5EA2B        | 22.6                                  | 11.6                                   | 1 3/4 x 2 1/8                     | 120000                | 101C124U010AD2B        | 10.3                                  | 19.7                                   | 1 3/8 x 4 5/8                     |
| 84000                  | 101C843U7R5AB2B        | 15.4                                  | 13.8                                   | 1 3/8 x 3 1/8                     | 130000                | 101C134U010EB2B        | 13.2                                  | 17.4                                   | 1 3/4 x 3 1/8                     |
| 100000                 | 101C104U7R5AJ2B        | 13.2                                  | 15.9                                   | 1 3/8 x 3 5/8                     | 140000                | 101C144U010AE2B        | 9.4                                   | 21.4                                   | 1 3/8 x 5 1/8                     |
| 120000                 | 101C124U7R5EH2B        | 16.5                                  | 14.7                                   | 1 3/4 x 2 5/8                     | 150000                | 101C154U010BB2B        | 8.1                                   | 24.2                                   | 2 x 3 1/8                         |
| 120000                 | 101C124U7R5BH2B        | 12.4                                  | 18.3                                   | 2 x 2 5/8                         | 160000                | 101C164U010EJ2B        | 11.1                                  | 20.0                                   | 1 3/4 x 3 5/8                     |
| 120000                 | 101C124U7R5AC2B        | 12.1                                  | 17.4                                   | 1 3/8 x 4 1/8                     | 160000                | 101C164U010AF2B        | 8.7                                   | 23.1                                   | 1 3/8 x 5 5/8                     |
| 140000                 | 101C144U7R5AD2B        | 10.8                                  | 19.2                                   | 1 3/8 x 4 5/8                     | 180000                | 101C184U010CH2B        | 9.2                                   | 24.5                                   | 2 1/2 x 2 5/8                     |
| 160000                 | 101C164U7R5EB2B        | 13.2                                  | 17.5                                   | 1 3/4 x 3 1/8                     | 180000                | 101C184U010BJ2B        | 7.4                                   | 26.5                                   | 2 x 3 5/8                         |
| 160000                 | 101C164U7R5AE2B        | 9.9                                   | 20.9                                   | 1 3/8 x 5 1/8                     | 190000                | 101C194U010EC2B        | 8.2                                   | 24.4                                   | 1 3/4 x 4 1/8                     |
| 170000                 | 101C174U7R5BB2B        | 8.5                                   | 23.6                                   | 2 x 3 1/8                         | 220000                | 101C224U010ED2B        | 8.7                                   | 24.7                                   | 1 3/4 x 4 5/8                     |
| 180000                 | 101C184U7R5AF2B        | 9.1                                   | 22.6                                   | 1 3/8 x 5 5/8                     | 230000                | 101C234U010BC2B        | 5.7                                   | 31.7                                   | 2 x 4 1/8                         |
| 200000                 | 101C204U7R5EJ2B        | 11.1                                  | 20.1                                   | 1 3/4 x 3 5/8                     | 240000                | 101C244U010CB2B        | 7.0                                   | 29.7                                   | 2 1/2 x 3 1/8                     |
| 210000                 | 101C214U7R5CH2B        | 9.4                                   | 24.2                                   | 2 1/2 x 2 5/8                     | 250000                | 101C254U010EE2B        | 8.0                                   | 26.7                                   | 1 3/4 x 5 1/8                     |
| 220000                 | 101C224U7R5EC2B        | 8.2                                   | 24.4                                   | 1 3/4 x 4 1/8                     | 260000                | 101C264U010BD2B        | 5.5                                   | 33.5                                   | 2 x 4 5/8                         |
| 220000                 | 101C224U7R5BJ2B        | 7.6                                   | 26.2                                   | 2 x 3 5/8                         | 280000                | 101C284U010EF2B        | 7.4                                   | 28.7                                   | 1 3/4 x 5 5/8                     |
| 260000                 | 101C264U7R5BC2B        | 6.0                                   | 31.0                                   | 2 x 4 1/8                         | 300000                | 101C304U010CJ2D        | 5.7                                   | 34.6                                   | 2 1/2 x 3 5/8                     |
| 270000                 | 101C274U7R5ED2B        | 8.7                                   | 24.7                                   | 1 3/4 x 4 5/8                     | 300000                | 101C304U010BE2B        | 5.0                                   | 36.5                                   | 2 x 5 1/8                         |
| 280000                 | 101C284U7R5CB2B        | 7.2                                   | 29.4                                   | 2 1/2 x 3 1/8                     | 340000                | 101C344U010BF2B        | 4.7                                   | 38.9                                   | 2 x 5 5/8                         |
| 300000                 | 101C304U7R5BD2B        | 5.7                                   | 32.9                                   | 2 x 4 5/8                         | 360000                | 101C364U010DB2D        | 7.0                                   | 33.4                                   | 3 x 3 1/8                         |
| 310000                 | 101C314U7R5EE2B        | 7.9                                   | 26.8                                   | 1 3/4 x 5 1/8                     | 370000                | 101C374U010CC2D        | 4.0                                   | 43.0                                   | 2 1/2 x 4 1/8                     |
| 350000                 | 101C354U7R5EF2B        | 7.4                                   | 28.8                                   | 1 3/4 x 5 5/8                     | 430000                | 101C434U010CD2D        | 4.3                                   | 43.5                                   | 2 1/2 x 4 5/8                     |
| 350000                 | 101C354U7R5BE2B        | 5.2                                   | 35.9                                   | 2 x 5 1/8                         | 450000                | 101C454U010DJ2D        | 5.7                                   | 38.8                                   | 3 x 3 5/8                         |
| 360000                 | 101C364U7R5CJ2D        | 5.9                                   | 34.2                                   | 2 1/2 x 3 5/8                     | 500000                | 101C504U010CE2D        | 3.8                                   | 47.5                                   | 2 1/2 x 5 1/8                     |
| 390000                 | 101C394U7R5DB2D        | 7.1                                   | 33.1                                   | 3 x 3 1/8                         | 550000                | 101C554U010DC2D        | 4.5                                   | 45.5                                   | 3 x 4 1/8                         |
| 390000                 | 101C394U7R5BF2B        | 4.9                                   | 38.2                                   | 2 x 5 5/8                         | 560000                | 101C564U010CF2D        | 3.3                                   | 53.0                                   | 2 1/2 x 5 5/8                     |
| 430000                 | 101C434U7R5CC2D        | 4.2                                   | 42.4                                   | 2 1/2 x 4 1/8                     | 640000                | 101C644U010DD2D        | 4.0                                   | 50.4                                   | 3 x 4 5/8                         |
| 490000                 | 101C494U7R5DJ2D        | 5.8                                   | 38.5                                   | 3 x 3 5/8                         | 740000                | 101C744U010DE2D        | 3.7                                   | 54.0                                   | 3 x 5 1/8                         |
| 490000                 | 101C494U7R5CD2D        | 4.4                                   | 42.8                                   | 2 1/2 x 4 5/8                     | 840000                | 101C844U010DF2D        | 3.3                                   | 58.2                                   | 3 x 5 5/8                         |
| 570000                 | 101C574U7R5CE2D        | 4.0                                   | 46.7                                   | 2 1/2 x 5 1/8                     | 880000                | 101C884U010DP2D        | 3.3                                   | 59.2                                   | 3 x 5 7/8                         |
| 610000                 | 101C614U7R5DC2D        | 4.6                                   | 45.2                                   | 3 x 4 1/8                         | 1200000               | 101C125U010DN2D        | 2.8                                   | 70.7                                   | 3 x 7 5/8                         |
| 640000                 | 101C644U7R5CF2D        | 3.4                                   | 52.1                                   | 2 1/2 x 5 5/8                     | 1400000               | 101C145U010DG2D        | 2.5                                   | 76.9                                   | 3 x 8 5/8                         |
| 700000                 | 101C704U7R5DD2D        | 4.0                                   | 50.0                                   | 3 x 4 5/8                         | 16 Vdc (25 Vdc Surge) |                        |                                       |                                        |                                   |
| 810000                 | 101C814U7R5DE2D        | 3.7                                   | 53.6                                   | 3 x 5 1/8                         | 16000                 | 101C163U016AK2B        | 39.2                                  | 6.0                                    | 1 3/8 x 1 5/8                     |
| 910000                 | 101C914U7R5DF2D        | 3.4                                   | 57.8                                   | 3 x 5 5/8                         | 27000                 | 101C273U016AA2B        | 26.0                                  | 8.5                                    | 1 3/8 x 2 1/8                     |
| 960000                 | 101C964U7R5DP2D        | 3.4                                   | 58.8                                   | 3 x 5 7/8                         | 38000                 | 101C383U016AH2B        | 20.0                                  | 11.1                                   | 1 3/8 x 2 5/8                     |
| 1300000                | 101C135U7R5DN2D        | 2.8                                   | 70.2                                   | 3 x 7 5/8                         | 45000                 | 101C453U016BA2B        | 19.1                                  | 13.7                                   | 2 x 2 1/8                         |
| 1500000                | 101C155U7R5DG2D        | 2.5                                   | 76.4                                   | 3 x 8 5/8                         | 46000                 | 101C463U016EA2B        | 24.3                                  | 11.2                                   | 1 3/4 x 2 1/8                     |
| 10 Vdc (15 Vdc Surge)  |                        |                                       |                                        |                                   | 49000                 | 101C493U016AB2B        | 15.9                                  | 13.6                                   | 1 3/8 x 3 1/8                     |
| 25000                  | 101C253U010AK2B        | 36.0                                  | 6.2                                    | 1 3/8 x 1 5/8                     | 59000                 | 101C593U016AJ2B        | 13.5                                  | 15.7                                   | 1 3/8 x 3 5/8                     |
| 41000                  | 101C413U010AA2B        | 23.9                                  | 8.9                                    | 1 3/8 x 2 1/8                     | 66000                 | 101C663U016EH2B        | 17.7                                  | 14.2                                   | 1 3/4 x 2 5/8                     |
| 58000                  | 101C583U010AH2B        | 18.1                                  | 11.7                                   | 1 3/8 x 2 5/8                     | 71000                 | 101C713U016BH2B        | 13.0                                  | 18.0                                   | 2 x 2 5/8                         |
| 68000                  | 101C683U010BA2B        | 17.8                                  | 14.2                                   | 2 x 2 1/8                         | 73000                 | 101C733U016AC2B        | 12.2                                  | 17.4                                   | 1 3/8 x 4 1/8                     |
| 69000                  | 101C693U010EA2B        | 22.8                                  | 11.6                                   | 1 3/4 x 2 1/8                     | 82000                 | 101C823U016AD2B        | 11.1                                  | 19.0                                   | 1 3/8 x 4 5/8                     |

# Type 101C -55 °C to 105 °C Low-ESR, Wide-Temperature Grade

| Cap.<br>(µF)          | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|-----------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 86000                 | 101C863U016EB2B        | 14.1                                  | 16.9                                   | 1 3/4 x 3 1/8                     |
| 93000                 | 101C933U016AE2B        | 10.1                                  | 20.6                                   | 1 3/8 x 5 1/8                     |
| 100000                | 101C104U016BB2B        | 8.6                                   | 23.4                                   | 2 x 3 1/8                         |
| 110000                | 101C114U016EJ2B        | 11.8                                  | 19.4                                   | 1 3/4 x 3 5/8                     |
| 110000                | 101C114U016AF2B        | 9.3                                   | 22.3                                   | 1 3/8 x 5 5/8                     |
| 120000                | 101C124U016CH2B        | 9.8                                   | 23.7                                   | 2 1/2 x 2 5/8                     |
| 120000                | 101C124U016BJ2B        | 8.0                                   | 25.7                                   | 2 x 3 5/8                         |
| 130000                | 101C134U016EC2B        | 8.6                                   | 23.8                                   | 1 3/4 x 4 1/8                     |
| 150000                | 101C154U016ED2B        | 9.2                                   | 24.0                                   | 1 3/4 x 4 5/8                     |
| 160000                | 101C164U016CB2B        | 7.5                                   | 28.9                                   | 2 1/2 x 3 1/8                     |
| 160000                | 101C164U016BC2B        | 6.0                                   | 30.9                                   | 2 x 4 1/8                         |
| 170000                | 101C174U016EE2B        | 8.4                                   | 26.0                                   | 1 3/4 x 5 1/8                     |
| 170000                | 101C174U016BD2B        | 5.9                                   | 32.5                                   | 2 x 4 5/8                         |
| 190000                | 101C194U016EF2B        | 7.8                                   | 28.0                                   | 1 3/4 x 5 5/8                     |
| 200000                | 101C204U016CJ2D        | 6.1                                   | 33.6                                   | 2 1/2 x 3 5/8                     |
| 200000                | 101C204U016BE2B        | 5.3                                   | 35.4                                   | 2 x 5 1/8                         |
| 230000                | 101C234U016BF2B        | 4.9                                   | 38.0                                   | 2 x 5 5/8                         |
| 240000                | 101C244U016DB2D        | 7.3                                   | 32.7                                   | 3 x 3 1/8                         |
| 250000                | 101C254U016CC2D        | 4.3                                   | 41.9                                   | 2 1/2 x 4 1/8                     |
| 290000                | 101C294U016CD2D        | 4.5                                   | 42.3                                   | 2 1/2 x 4 5/8                     |
| 300000                | 101C304U016DJ2D        | 5.9                                   | 38.1                                   | 3 x 3 5/8                         |
| 330000                | 101C334U016CE2D        | 4.0                                   | 46.2                                   | 2 1/2 x 5 1/8                     |
| 360000                | 101C364U016DC2D        | 4.7                                   | 44.6                                   | 3 x 4 1/8                         |
| 370000                | 101C374U016CF2D        | 3.4                                   | 51.6                                   | 2 1/2 x 5 5/8                     |
| 430000                | 101C434U016DD2D        | 4.1                                   | 49.5                                   | 3 x 4 5/8                         |
| 490000                | 101C494U016DE2D        | 3.8                                   | 53.0                                   | 3 x 5 1/8                         |
| 560000                | 101C564U016DF2D        | 3.5                                   | 57.2                                   | 3 x 5 5/8                         |
| 590000                | 101C594U016DP2D        | 3.4                                   | 58.2                                   | 3 x 5 7/8                         |
| 800000                | 101C804U016DN2D        | 2.9                                   | 69.6                                   | 3 x 7 5/8                         |
| 920000                | 101C924U016DG2D        | 2.6                                   | 75.8                                   | 3 x 8 5/8                         |
| 20 Vdc (30 Vdc Surge) |                        |                                       |                                        |                                   |
| 13000                 | 101C133U020AK2B        | 39.2                                  | 6.0                                    | 1 3/8 x 1 5/8                     |
| 21000                 | 101C213U020AA2B        | 26.0                                  | 8.5                                    | 1 3/8 x 2 1/8                     |
| 29000                 | 101C293U020AH2B        | 20.0                                  | 11.1                                   | 1 3/8 x 2 5/8                     |
| 34000                 | 101C343U020BA2B        | 19.1                                  | 13.7                                   | 2 x 2 1/8                         |
| 35000                 | 101C353U020EA2B        | 24.3                                  | 11.2                                   | 1 3/4 x 2 1/8                     |
| 38000                 | 101C383U020AB2B        | 15.9                                  | 13.6                                   | 1 3/8 x 3 1/8                     |
| 45000                 | 101C453U020AJ2B        | 13.5                                  | 15.7                                   | 1 3/8 x 3 5/8                     |
| 50000                 | 101C503U020EH2B        | 17.7                                  | 14.2                                   | 1 3/4 x 2 5/8                     |
| 54000                 | 101C543U020BH2B        | 13.0                                  | 18.0                                   | 2 x 2 5/8                         |
| 55000                 | 101C553U020AC2B        | 12.2                                  | 17.4                                   | 1 3/8 x 4 1/8                     |
| 62000                 | 101C623U020AD2B        | 11.1                                  | 19.0                                   | 1 3/8 x 4 5/8                     |
| 66000                 | 101C663U020EB2B        | 14.1                                  | 16.9                                   | 1 3/4 x 3 1/8                     |
| 71000                 | 101C713U020AE2B        | 10.1                                  | 20.6                                   | 1 3/8 x 5 1/8                     |
| 77000                 | 101C773U020BB2B        | 8.6                                   | 23.4                                   | 2 x 3 1/8                         |
| 80000                 | 101C803U020AF2B        | 9.3                                   | 22.3                                   | 1 3/8 x 5 5/8                     |
| 81000                 | 101C813U020EJ2B        | 11.8                                  | 19.4                                   | 1 3/4 x 3 5/8                     |
| 89000                 | 101C893U020CH2B        | 9.8                                   | 23.7                                   | 2 1/2 x 2 5/8                     |

| Cap.<br>(µF)          | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|-----------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 94000                 | 101C943U020BJ2B        | 8.0                                   | 25.7                                   | 2 x 3 5/8                         |
| 98000                 | 101C983U020EC2B        | 8.6                                   | 23.8                                   | 1 3/4 x 4 1/8                     |
| 110000                | 101C114U020ED2B        | 9.2                                   | 24.0                                   | 1 3/4 x 4 5/8                     |
| 120000                | 101C124U020CB2B        | 7.5                                   | 28.9                                   | 2 1/2 x 3 1/8                     |
| 120000                | 101C124U020BC2B        | 6.0                                   | 30.9                                   | 2 x 4 1/8                         |
| 130000                | 101C134U020EE2B        | 8.4                                   | 26.0                                   | 1 3/4 x 5 1/8                     |
| 130000                | 101C134U020BD2B        | 5.9                                   | 32.5                                   | 2 x 4 5/8                         |
| 140000                | 101C144U020EF2B        | 7.8                                   | 28.0                                   | 1 3/4 x 5 5/8                     |
| 150000                | 101C154U020CJ2D        | 6.1                                   | 33.6                                   | 2 1/2 x 3 5/8                     |
| 150000                | 101C154U020BE2B        | 5.3                                   | 35.4                                   | 2 x 5 1/8                         |
| 180000                | 101C184U020DB2D        | 7.3                                   | 32.7                                   | 3 x 3 1/8                         |
| 180000                | 101C184U020BF2B        | 4.9                                   | 38.0                                   | 2 x 5 5/8                         |
| 190000                | 101C194U020CC2D        | 4.3                                   | 41.9                                   | 2 1/2 x 4 1/8                     |
| 220000                | 101C224U020CD2D        | 4.5                                   | 42.3                                   | 2 1/2 x 4 5/8                     |
| 230000                | 101C234U020DJ2D        | 5.9                                   | 38.1                                   | 3 x 3 5/8                         |
| 250000                | 101C254U020CE2D        | 4.0                                   | 46.2                                   | 2 1/2 x 5 1/8                     |
| 280000                | 101C284U020DC2D        | 4.7                                   | 44.6                                   | 3 x 4 1/8                         |
| 280000                | 101C284U020CF2D        | 3.4                                   | 51.6                                   | 2 1/2 x 5 5/8                     |
| 330000                | 101C334U020DD2D        | 4.1                                   | 49.5                                   | 3 x 4 5/8                         |
| 380000                | 101C384U020DE2D        | 3.8                                   | 53.0                                   | 3 x 5 1/8                         |
| 420000                | 101C424U020DF2D        | 3.5                                   | 57.2                                   | 3 x 5 5/8                         |
| 450000                | 101C454U020DP2D        | 3.4                                   | 58.2                                   | 3 x 5 7/8                         |
| 610000                | 101C614U020DN2D        | 2.9                                   | 69.4                                   | 3 x 7 5/8                         |
| 710000                | 101C714U020DG2D        | 2.6                                   | 75.5                                   | 3 x 8 5/8                         |
| 25 Vdc (40 Vdc Surge) |                        |                                       |                                        |                                   |
| 9900                  | 101C992U025AK2B        | 42.6                                  | 5.7                                    | 1 3/8 x 1 5/8                     |
| 16000                 | 101C163U025AA2B        | 28.2                                  | 8.2                                    | 1 3/8 x 2 1/8                     |
| 23000                 | 101C233U025AH2B        | 20.9                                  | 10.8                                   | 1 3/8 x 2 5/8                     |
| 27000                 | 101C273U025EA2B        | 25.1                                  | 11.0                                   | 1 3/4 x 2 1/8                     |
| 27000                 | 101C273U025BA2B        | 19.9                                  | 13.5                                   | 2 x 2 1/8                         |
| 30000                 | 101C303U025AB2B        | 16.6                                  | 13.3                                   | 1 3/8 x 3 1/8                     |
| 35000                 | 101C353U025AJ2B        | 14.2                                  | 15.4                                   | 1 3/8 x 3 5/8                     |
| 39000                 | 101C393U025EH2B        | 18.3                                  | 13.9                                   | 1 3/4 x 2 5/8                     |
| 42000                 | 101C423U025BH2B        | 13.5                                  | 17.6                                   | 2 x 2 5/8                         |
| 43000                 | 101C433U025AC2B        | 12.7                                  | 17.0                                   | 1 3/8 x 4 1/8                     |
| 49000                 | 101C493U025AD2B        | 11.6                                  | 18.6                                   | 1 3/8 x 4 5/8                     |
| 52000                 | 101C523U025EB2B        | 14.5                                  | 16.6                                   | 1 3/4 x 3 1/8                     |
| 56000                 | 101C563U025AE2B        | 10.6                                  | 20.2                                   | 1 3/8 x 5 1/8                     |
| 60000                 | 101C603U025BB2B        | 9.0                                   | 22.9                                   | 2 x 3 1/8                         |
| 63000                 | 101C633U025AF2B        | 9.7                                   | 21.9                                   | 1 3/8 x 5 5/8                     |
| 64000                 | 101C643U025EJ2B        | 12.2                                  | 19.1                                   | 1 3/4 x 3 5/8                     |
| 70000                 | 101C703U025CH2B        | 10.1                                  | 23.3                                   | 2 1/2 x 2 5/8                     |
| 73000                 | 101C733U025BJ2B        | 8.3                                   | 25.2                                   | 2 x 3 5/8                         |
| 77000                 | 101C773U025EC2B        | 9.9                                   | 22.2                                   | 1 3/4 x 4 1/8                     |
| 88000                 | 101C883U025ED2B        | 9.5                                   | 23.6                                   | 1 3/4 x 4 5/8                     |
| 90000                 | 101C903U025BC2B        | 6.4                                   | 30.0                                   | 2 x 4 1/8                         |
| 95000                 | 101C953U025CB2B        | 7.7                                   | 28.4                                   | 2 1/2 x 3 1/8                     |
| 100000                | 101C104U025EE2B        | 8.6                                   | 25.7                                   | 1 3/4 x 5 1/8                     |

# Type 101C **-55 °C to 105 °C Low-ESR, Wide-Temperature Grade**

| Cap.<br>(µF)                 | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|------------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 100000                       | 101C104U025BD2B        | 6.1                                   | 31.9                                   | 2 x 4 5/8                         |
| 110000                       | 101C114U025EF2B        | 8.0                                   | 27.6                                   | 1 3/4 x 5 5/8                     |
| 120000                       | 101C124U025CJ2D        | 6.3                                   | 33.1                                   | 2 1/2 x 3 5/8                     |
| 120000                       | 101C124U025BE2B        | 5.5                                   | 34.8                                   | 2 x 5 1/8                         |
| 140000                       | 101C144U025DB2D        | 7.4                                   | 32.4                                   | 3 x 3 1/8                         |
| 140000                       | 101C144U025BF2B        | 5.1                                   | 37.4                                   | 2 x 5 5/8                         |
| 150000                       | 101C154U025CC2D        | 4.5                                   | 40.6                                   | 2 1/2 x 4 1/8                     |
| 170000                       | 101C174U025CD2D        | 4.7                                   | 41.6                                   | 2 1/2 x 4 5/8                     |
| 180000                       | 101C184U025DJ2D        | 6.0                                   | 37.7                                   | 3 x 3 5/8                         |
| 200000                       | 101C204U025CE2D        | 4.2                                   | 45.5                                   | 2 1/2 x 5 1/8                     |
| 220000                       | 101C224U025DC2D        | 4.8                                   | 44.1                                   | 3 x 4 1/8                         |
| 220000                       | 101C224U025CF2D        | 3.6                                   | 50.3                                   | 2 1/2 x 5 5/8                     |
| 260000                       | 101C264U025DD2D        | 4.5                                   | 47.3                                   | 3 x 4 5/8                         |
| 290000                       | 101C294U025DE2D        | 4.0                                   | 51.6                                   | 3 x 5 1/8                         |
| 330000                       | 101C334U025DF2D        | 3.5                                   | 56.7                                   | 3 x 5 5/8                         |
| 350000                       | 101C354U025DP2D        | 3.5                                   | 57.7                                   | 3 x 5 7/8                         |
| 480000                       | 101C484U025DN2D        | 2.9                                   | 69.0                                   | 3 x 7 5/8                         |
| 550000                       | 101C554U025DG2D        | 2.6                                   | 75.2                                   | 3 x 8 5/8                         |
| <b>30 Vdc (45 Vdc Surge)</b> |                        |                                       |                                        |                                   |
| 5400                         | 101C542U030AK2B        | 43.9                                  | 5.6                                    | 1 3/8 x 1 5/8                     |
| 13000                        | 101C133U030AA2B        | 29.8                                  | 8.0                                    | 1 3/8 x 2 1/8                     |
| 19000                        | 101C193U030AH2B        | 21.4                                  | 10.7                                   | 1 3/8 x 2 5/8                     |
| 23000                        | 101C233U030EA2B        | 23.1                                  | 11.5                                   | 1 3/4 x 2 1/8                     |
| 23000                        | 101C233U030BA2B        | 18.8                                  | 13.8                                   | 2 x 2 1/8                         |
| 24000                        | 101C243U030AB2B        | 16.0                                  | 13.6                                   | 1 3/8 x 3 1/8                     |
| 30000                        | 101C303U030AJ2B        | 14.1                                  | 15.4                                   | 1 3/8 x 3 5/8                     |
| 33000                        | 101C333U030EH2B        | 16.9                                  | 14.5                                   | 1 3/4 x 2 5/8                     |
| 36000                        | 101C363U030AC2B        | 13.0                                  | 16.8                                   | 1 3/8 x 4 1/8                     |
| 36000                        | 101C363U030BH2B        | 12.8                                  | 18.1                                   | 2 x 2 5/8                         |
| 41000                        | 101C413U030AD2B        | 11.6                                  | 18.6                                   | 1 3/8 x 4 5/8                     |
| 44000                        | 101C443U030EB2B        | 13.4                                  | 17.3                                   | 1 3/4 x 3 1/8                     |
| 47000                        | 101C473U030AE2B        | 10.6                                  | 20.2                                   | 1 3/8 x 5 1/8                     |
| 49000                        | 101C493U030BB2B        | 8.7                                   | 23.3                                   | 2 x 3 1/8                         |
| 53000                        | 101C533U030AF2B        | 9.8                                   | 21.8                                   | 1 3/8 x 5 5/8                     |
| 54000                        | 101C543U030EJ2B        | 11.3                                  | 19.9                                   | 1 3/4 x 3 5/8                     |
| 59000                        | 101C593U030CH2B        | 9.3                                   | 24.4                                   | 2 1/2 x 2 5/8                     |
| 62000                        | 101C623U030BJ2B        | 7.8                                   | 25.8                                   | 2 x 3 5/8                         |
| 64000                        | 101C643U030EC2B        | 9.2                                   | 23.0                                   | 1 3/4 x 4 1/8                     |
| 75000                        | 101C753U030ED2B        | 8.4                                   | 25.1                                   | 1 3/4 x 4 5/8                     |
| 75000                        | 101C753U030BC2B        | 6.3                                   | 30.1                                   | 2 x 4 1/8                         |
| 81000                        | 101C813U030CB2B        | 7.1                                   | 29.7                                   | 2 1/2 x 3 1/8                     |
| 85000                        | 101C853U030EE2B        | 7.9                                   | 26.9                                   | 1 3/4 x 5 1/8                     |
| 88000                        | 101C883U030BD2B        | 5.8                                   | 32.7                                   | 2 x 4 5/8                         |
| 95000                        | 101C953U030EF2B        | 7.5                                   | 28.5                                   | 1 3/4 x 5 5/8                     |
| 100000                       | 101C104U030CJ2D        | 5.7                                   | 34.6                                   | 2 1/2 x 3 5/8                     |
| 100000                       | 101C104U030BE2B        | 5.2                                   | 35.6                                   | 2 x 5 1/8                         |
| 110000                       | 101C114U030BF2B        | 4.8                                   | 38.4                                   | 2 x 5 5/8                         |
| 120000                       | 101C124U030DB2D        | 7.0                                   | 33.3                                   | 3 x 3 1/8                         |

| Cap.<br>(µF)                 | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|------------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 120000                       | 101C124U030CC2D        | 4.7                                   | 40.0                                   | 2 1/2 x 4 1/8                     |
| 150000                       | 101C154U030DJ2D        | 5.7                                   | 38.7                                   | 3 x 3 5/8                         |
| 150000                       | 101C154U030CD2D        | 4.3                                   | 43.4                                   | 2 1/2 x 4 5/8                     |
| 170000                       | 101C174U030CE2D        | 3.8                                   | 47.4                                   | 2 1/2 x 5 1/8                     |
| 180000                       | 101C184U030DC2D        | 4.8                                   | 43.9                                   | 3 x 4 1/8                         |
| 190000                       | 101C194U030CF2D        | 3.5                                   | 51.2                                   | 2 1/2 x 5 5/8                     |
| 220000                       | 101C224U030DD2D        | 4.3                                   | 48.5                                   | 3 x 4 5/8                         |
| 250000                       | 101C254U030DE2D        | 3.8                                   | 52.8                                   | 3 x 5 1/8                         |
| 280000                       | 101C284U030DF2D        | 3.5                                   | 56.9                                   | 3 x 5 5/8                         |
| 300000                       | 101C304U030DP2D        | 3.4                                   | 58.8                                   | 3 x 5 7/8                         |
| 410000                       | 101C414U030DN2D        | 2.9                                   | 69.5                                   | 3 x 7 5/8                         |
| 470000                       | 101C474U030DG2D        | 2.6                                   | 75.8                                   | 3 x 8 5/8                         |
| <b>40 Vdc (55 Vdc Surge)</b> |                        |                                       |                                        |                                   |
| 5400                         | 101C542U040AK2B        | 47.6                                  | 5.4                                    | 1 3/8 x 1 5/8                     |
| 9000                         | 101C902U040AA2B        | 32.3                                  | 7.6                                    | 1 3/8 x 2 1/8                     |
| 13000                        | 101C133U040AH2B        | 23.1                                  | 10.3                                   | 1 3/8 x 2 5/8                     |
| 16000                        | 101C163U040EA2B        | 26.6                                  | 10.7                                   | 1 3/4 x 2 1/8                     |
| 16000                        | 101C163U040BA2B        | 21.2                                  | 13.0                                   | 2 x 2 1/8                         |
| 17000                        | 101C173U040AB2B        | 17.3                                  | 13.1                                   | 1 3/8 x 3 1/8                     |
| 21000                        | 101C213U040AJ2B        | 15.2                                  | 14.8                                   | 1 3/8 x 3 5/8                     |
| 23000                        | 101C233U040EH2B        | 19.3                                  | 13.5                                   | 1 3/4 x 2 5/8                     |
| 25000                        | 101C253U040BH2B        | 14.3                                  | 17.1                                   | 2 x 2 5/8                         |
| 25000                        | 101C253U040AC2B        | 14.0                                  | 16.2                                   | 1 3/8 x 4 1/8                     |
| 29000                        | 101C293U040AD2B        | 12.4                                  | 17.9                                   | 1 3/8 x 4 5/8                     |
| 30000                        | 101C303U040EB2B        | 15.4                                  | 16.2                                   | 1 3/4 x 3 1/8                     |
| 33000                        | 101C333U040AE2B        | 11.3                                  | 19.6                                   | 1 3/8 x 5 1/8                     |
| 34000                        | 101C343U040BB2B        | 9.8                                   | 22.0                                   | 2 x 3 1/8                         |
| 37000                        | 101C373U040EJ2B        | 12.9                                  | 18.6                                   | 1 3/4 x 3 5/8                     |
| 37000                        | 101C373U040AF2B        | 10.4                                  | 21.1                                   | 1 3/8 x 5 5/8                     |
| 41000                        | 101C413U040CH2B        | 10.7                                  | 22.7                                   | 2 1/2 x 2 5/8                     |
| 43000                        | 101C433U040BJ2B        | 8.8                                   | 24.4                                   | 2 x 3 5/8                         |
| 45000                        | 101C453U040EC2B        | 10.5                                  | 21.6                                   | 1 3/4 x 4 1/8                     |
| 52000                        | 101C523U040ED2B        | 9.5                                   | 23.6                                   | 1 3/4 x 4 5/8                     |
| 52000                        | 101C523U040BC2B        | 7.1                                   | 28.5                                   | 2 x 4 1/8                         |
| 56000                        | 101C563U040CB2B        | 8.1                                   | 27.6                                   | 2 1/2 x 3 1/8                     |
| 59000                        | 101C593U040EE2B        | 8.9                                   | 25.4                                   | 1 3/4 x 5 1/8                     |
| 61000                        | 101C613U040BD2B        | 6.5                                   | 31.0                                   | 2 x 4 5/8                         |
| 66000                        | 101C663U040EF2B        | 8.4                                   | 26.9                                   | 1 3/4 x 5 5/8                     |
| 70000                        | 101C703U040BE2B        | 5.8                                   | 33.8                                   | 2 x 5 1/8                         |
| 71000                        | 101C713U040CJ2D        | 6.6                                   | 32.2                                   | 2 1/2 x 3 5/8                     |
| 79000                        | 101C793U040BF2B        | 5.3                                   | 36.5                                   | 2 x 5 5/8                         |
| 83000                        | 101C833U040DB2D        | 8.6                                   | 30.1                                   | 3 x 3 1/8                         |
| 86000                        | 101C863U040CC2D        | 5.4                                   | 37.3                                   | 2 1/2 x 4 1/8                     |
| 100000                       | 101C104U040CD2D        | 4.9                                   | 40.6                                   | 2 1/2 x 4 5/8                     |
| 110000                       | 101C114U040DJ2D        | 7.0                                   | 35.1                                   | 3 x 3 5/8                         |
| 120000                       | 101C124U040CE2D        | 4.4                                   | 44.4                                   | 2 1/2 x 5 1/8                     |
| 130000                       | 101C134U040DC2D        | 5.3                                   | 41.9                                   | 3 x 4 1/8                         |
| 130000                       | 101C134U040CF2D        | 4.0                                   | 48.0                                   | 2 1/2 x 5 5/8                     |

# Type 101C -55 °C to 105 °C Low-ESR, Wide-Temperature Grade

| Cap.<br>(µF)          | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|-----------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 150000                | 101C154U040DD2D        | 5.2                                   | 44.0                                   | 3 x 4 5/8                         |
| 170000                | 101C174U040DE2D        | 4.6                                   | 48.1                                   | 3 x 5 1/8                         |
| 190000                | 101C194U040DF2D        | 4.2                                   | 51.9                                   | 3 x 5 5/8                         |
| 210000                | 101C214U040DP2D        | 4.0                                   | 53.8                                   | 3 x 5 7/8                         |
| 280000                | 101C284U040DN2D        | 3.4                                   | 63.9                                   | 3 x 7 5/8                         |
| 330000                | 101C334U040DG2D        | 3.0                                   | 69.9                                   | 3 x 8 5/8                         |
| 50 Vdc (75 Vdc Surge) |                        |                                       |                                        |                                   |
| 3800                  | 101C382U050AK2B        | 48.4                                  | 5.4                                    | 1 3/8 x 1 5/8                     |
| 7000                  | 101C702U050AA2B        | 30.8                                  | 7.8                                    | 1 3/8 x 2 1/8                     |
| 10000                 | 101C103U050AH2B        | 22.0                                  | 10.5                                   | 1 3/8 x 2 5/8                     |
| 12000                 | 101C123U050EA2B        | 26.5                                  | 10.7                                   | 1 3/4 x 2 1/8                     |
| 12000                 | 101C123U050BA2B        | 20.8                                  | 13.2                                   | 2 x 2 1/8                         |
| 13000                 | 101C133U050AB2B        | 17.5                                  | 13.0                                   | 1 3/8 x 3 1/8                     |
| 16000                 | 101C163U050AJ2B        | 14.6                                  | 15.2                                   | 1 3/8 x 3 5/8                     |
| 18000                 | 101C183U050EH2B        | 19.3                                  | 13.6                                   | 1 3/4 x 2 5/8                     |
| 19000                 | 101C193U050BH2B        | 14.1                                  | 17.2                                   | 2 x 2 5/8                         |
| 19000                 | 101C193U050AC2B        | 13.4                                  | 16.6                                   | 1 3/8 x 4 1/8                     |
| 22000                 | 101C223U050AD2B        | 11.9                                  | 18.3                                   | 1 3/8 x 4 5/8                     |
| 24000                 | 101C243U050EB2B        | 15.3                                  | 16.2                                   | 1 3/4 x 3 1/8                     |
| 25000                 | 101C253U050AE2B        | 10.8                                  | 20.0                                   | 1 3/8 x 5 1/8                     |
| 27000                 | 101C273U050BB2B        | 9.6                                   | 22.2                                   | 2 x 3 1/8                         |
| 29000                 | 101C293U050EJ2B        | 12.8                                  | 18.6                                   | 1 3/4 x 3 5/8                     |
| 29000                 | 101C293U050AF2B        | 10.0                                  | 21.5                                   | 1 3/8 x 5 5/8                     |
| 32000                 | 101C323U050CH2B        | 9.6                                   | 24.0                                   | 2 1/2 x 2 5/8                     |
| 34000                 | 101C343U050BJ2B        | 8.6                                   | 24.6                                   | 2 x 3 5/8                         |
| 35000                 | 101C353U050EC2B        | 10.5                                  | 21.6                                   | 1 3/4 x 4 1/8                     |
| 40000                 | 101C403U050ED2B        | 9.5                                   | 23.6                                   | 1 3/4 x 4 5/8                     |
| 41000                 | 101C413U050BC2B        | 7.2                                   | 28.2                                   | 2 x 4 1/8                         |
| 44000                 | 101C443U050CB2B        | 8.2                                   | 27.6                                   | 2 1/2 x 3 1/8                     |
| 46000                 | 101C463U050EE2B        | 8.8                                   | 25.4                                   | 1 3/4 x 5 1/8                     |
| 48000                 | 101C483U050BD2B        | 6.3                                   | 31.2                                   | 2 x 4 5/8                         |
| 52000                 | 101C523U050EF2B        | 8.4                                   | 27.0                                   | 1 3/4 x 5 5/8                     |
| 55000                 | 101C553U050CJ2D        | 6.6                                   | 32.2                                   | 2 1/2 x 3 5/8                     |
| 55000                 | 101C553U050BE2B        | 5.7                                   | 34.1                                   | 2 x 5 1/8                         |
| 62000                 | 101C623U050BF2B        | 5.2                                   | 36.8                                   | 2 x 5 5/8                         |
| 65000                 | 101C653U050DB2B        | 8.9                                   | 29.5                                   | 3 x 3 1/8                         |
| 67000                 | 101C673U050CC2D        | 5.4                                   | 37.3                                   | 2 1/2 x 4 1/8                     |
| 79000                 | 101C793U050CD2D        | 4.9                                   | 40.5                                   | 2 1/2 x 4 5/8                     |
| 83000                 | 101C833U050DJ2D        | 7.3                                   | 34.4                                   | 3 x 3 5/8                         |
| 90000                 | 101C903U050CE2D        | 4.4                                   | 44.3                                   | 2 1/2 x 5 1/8                     |
| 100000                | 101C104U050DC2D        | 5.5                                   | 41.1                                   | 3 x 4 1/8                         |
| 100000                | 101C104U050CF2D        | 4.0                                   | 47.9                                   | 2 1/2 x 5 5/8                     |
| 120000                | 101C124U050DD2D        | 5.4                                   | 43.2                                   | 3 x 4 5/8                         |
| 130000                | 101C134U050DE2D        | 4.8                                   | 47.2                                   | 3 x 5 1/8                         |
| 150000                | 101C154U050DF2D        | 4.4                                   | 51.0                                   | 3 x 5 5/8                         |
| 160000                | 101C164U050DP2D        | 4.2                                   | 52.9                                   | 3 x 5 7/8                         |
| 220000                | 101C224U050DN2D        | 3.5                                   | 63.0                                   | 3 x 7 5/8                         |
| 260000                | 101C264U050DG2D        | 3.1                                   | 69.0                                   | 3 x 8 5/8                         |

| Cap.<br>(µF)           | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 63 Vdc (85 Vdc Surge)  |                        |                                       |                                        |                                   |
| 2800                   | 101C282U063AK2B        | 57.9                                  | 4.9                                    | 1 3/8 x 1 5/8                     |
| 5000                   | 101C502U063AA2B        | 35.5                                  | 7.3                                    | 1 3/8 x 2 1/8                     |
| 7200                   | 101C722U063AH2B        | 25.8                                  | 9.8                                    | 1 3/8 x 2 5/8                     |
| 8800                   | 101C882U063BA2B        | 22.8                                  | 12.6                                   | 2 x 2 1/8                         |
| 8900                   | 101C892U063EA2B        | 28.0                                  | 10.4                                   | 1 3/4 x 2 1/8                     |
| 9400                   | 101C942U063AB2B        | 20.4                                  | 12.0                                   | 1 3/8 x 3 1/8                     |
| 12000                  | 101C123U063AJ2B        | 17.1                                  | 14.0                                   | 1 3/8 x 3 5/8                     |
| 13000                  | 101C133U063EH2B        | 20.4                                  | 13.2                                   | 1 3/4 x 2 5/8                     |
| 14000                  | 101C143U063BH2B        | 15.4                                  | 16.5                                   | 2 x 2 5/8                         |
| 14000                  | 101C143U063AC2B        | 14.8                                  | 15.8                                   | 1 3/8 x 4 1/8                     |
| 16000                  | 101C163U063AD2B        | 13.2                                  | 17.4                                   | 1 3/8 x 4 5/8                     |
| 17000                  | 101C173U063EB2B        | 16.1                                  | 15.8                                   | 1 3/4 x 3 1/8                     |
| 18000                  | 101C183U063AE2B        | 12.0                                  | 19.0                                   | 1 3/8 x 5 1/8                     |
| 19000                  | 101C193U063BB2B        | 10.2                                  | 21.5                                   | 2 x 3 1/8                         |
| 20000                  | 101C203U063AF2B        | 11.0                                  | 20.5                                   | 1 3/8 x 5 5/8                     |
| 21000                  | 101C213U063EJ2B        | 13.5                                  | 18.2                                   | 1 3/4 x 3 5/8                     |
| 23000                  | 101C233U063CH2B        | 11.3                                  | 22.1                                   | 2 1/2 x 2 5/8                     |
| 24000                  | 101C243U063BJ2B        | 9.6                                   | 23.4                                   | 2 x 3 5/8                         |
| 25000                  | 101C253U063EC2B        | 11.0                                  | 21.1                                   | 1 3/4 x 4 1/8                     |
| 29000                  | 101C293U063ED2B        | 10.0                                  | 23.0                                   | 1 3/4 x 4 5/8                     |
| 29000                  | 101C293U063BC2B        | 8.2                                   | 26.4                                   | 2 x 4 1/8                         |
| 31000                  | 101C313U063CB2B        | 8.6                                   | 26.9                                   | 2 1/2 x 3 1/8                     |
| 33000                  | 101C333U063EE2B        | 9.3                                   | 24.8                                   | 1 3/4 x 5 1/8                     |
| 34000                  | 101C343U063BD2B        | 7.2                                   | 29.3                                   | 2 x 4 5/8                         |
| 37000                  | 101C373U063EF2B        | 8.8                                   | 26.3                                   | 1 3/4 x 5 5/8                     |
| 39000                  | 101C393U063BE2B        | 6.5                                   | 32.0                                   | 2 x 5 1/8                         |
| 40000                  | 101C403U063CJ2D        | 7.0                                   | 31.4                                   | 2 1/2 x 3 5/8                     |
| 44000                  | 101C443U063BF2B        | 5.9                                   | 34.6                                   | 2 x 5 5/8                         |
| 47000                  | 101C473U063DB2B        | 9.3                                   | 29.0                                   | 3 x 3 1/8                         |
| 48000                  | 101C483U063CC2D        | 5.6                                   | 36.4                                   | 2 1/2 x 4 1/8                     |
| 56000                  | 101C563U063CD2D        | 5.2                                   | 39.5                                   | 2 1/2 x 4 5/8                     |
| 59000                  | 101C593U063DJ2D        | 7.5                                   | 33.8                                   | 3 x 3 5/8                         |
| 65000                  | 101C653U063CE2D        | 4.6                                   | 43.3                                   | 2 1/2 x 5 1/8                     |
| 72000                  | 101C723U063DC2D        | 6.0                                   | 39.5                                   | 3 x 4 1/8                         |
| 73000                  | 101C733U063CF2D        | 4.2                                   | 46.8                                   | 2 1/2 x 5 5/8                     |
| 84000                  | 101C843U063DD2D        | 5.6                                   | 42.5                                   | 3 x 4 5/8                         |
| 97000                  | 101C973U063DE2D        | 5.0                                   | 46.5                                   | 3 x 5 1/8                         |
| 110000                 | 101C114U063DF2D        | 4.5                                   | 50.2                                   | 3 x 5 5/8                         |
| 120000                 | 101C124U063DP2D        | 4.3                                   | 52.0                                   | 3 x 5 7/8                         |
| 160000                 | 101C164U063DN2D        | 3.6                                   | 62.2                                   | 3 x 7 5/8                         |
| 180000                 | 101C184U063DG2D        | 3.2                                   | 68.2                                   | 3 x 8 5/8                         |
| 75 Vdc (100 Vdc Surge) |                        |                                       |                                        |                                   |
| 2100                   | 101C212U075AK2B        | 97.3                                  | 3.8                                    | 1 3/8 x 1 5/8                     |
| 3600                   | 101C362U075AA2B        | 67.2                                  | 5.3                                    | 1 3/8 x 2 1/8                     |
| 5200                   | 101C522U075AH2B        | 50.0                                  | 7.0                                    | 1 3/8 x 2 5/8                     |
| 6400                   | 101C642U075BA2B        | 40.7                                  | 9.4                                    | 2 x 2 1/8                         |
| 6500                   | 101C652U075EA2B        | 47.5                                  | 8.0                                    | 1 3/4 x 2 1/8                     |

# Type 101C -55 °C to 105 °C Low-ESR, Wide-Temperature Grade

| Cap.<br>(µF)                   | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|--------------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| <b>75 Vdc (100 Vdc Surge)</b>  |                        |                                       |                                        |                                   |
| 6800                           | 101C682U075AB2B        | 39.3                                  | 8.7                                    | 1 3/8 x 3 1/8                     |
| 8400                           | 101C842U075AJ2B        | 32.5                                  | 10.1                                   | 1 3/8 x 3 5/8                     |
| 9400                           | 101C942U075EH2B        | 34.2                                  | 10.2                                   | 1 3/4 x 2 5/8                     |
| 10000                          | 101C103U075AC2B        | 27.9                                  | 11.5                                   | 1 3/8 x 4 1/8                     |
| 10000                          | 101C103U075BH2B        | 27.4                                  | 12.4                                   | 2 x 2 5/8                         |
| 12000                          | 101C123U075EB2B        | 27.0                                  | 12.2                                   | 1 3/4 x 3 1/8                     |
| 12000                          | 101C123U075AD2B        | 24.5                                  | 12.8                                   | 1 3/8 x 4 5/8                     |
| 13000                          | 101C133U075AE2B        | 22.0                                  | 14.0                                   | 1 3/8 x 5 1/8                     |
| 14000                          | 101C143U075BB2B        | 18.0                                  | 16.2                                   | 2 x 3 1/8                         |
| 15000                          | 101C153U075EJ2B        | 22.4                                  | 14.1                                   | 1 3/4 x 3 5/8                     |
| 15000                          | 101C153U075AF2B        | 20.0                                  | 15.2                                   | 1 3/8 x 5 5/8                     |
| 17000                          | 101C173U075CH2B        | 18.9                                  | 17.1                                   | 2 1/2 x 2 5/8                     |
| 17000                          | 101C173U075BJ2B        | 16.8                                  | 17.7                                   | 2 x 3 5/8                         |
| 18000                          | 101C183U075EC2B        | 18.0                                  | 16.5                                   | 1 3/4 x 4 1/8                     |
| 21000                          | 101C213U075ED2B        | 16.2                                  | 18.1                                   | 1 3/4 x 4 5/8                     |
| 21000                          | 101C213U075BC2B        | 12.7                                  | 21.2                                   | 2 x 4 1/8                         |
| 23000                          | 101C233U075CB2B        | 14.3                                  | 20.8                                   | 2 1/2 x 3 1/8                     |
| 24000                          | 101C243U075EE2B        | 14.8                                  | 19.6                                   | 1 3/4 x 5 1/8                     |
| 25000                          | 101C253U075BD2B        | 12.3                                  | 22.4                                   | 2 x 4 5/8                         |
| 27000                          | 101C273U075EF2B        | 13.9                                  | 20.9                                   | 1 3/4 x 5 5/8                     |
| 28000                          | 101C283U075BE2B        | 11.0                                  | 24.6                                   | 2 x 5 1/8                         |
| 29000                          | 101C293U075CJ2B        | 11.5                                  | 24.4                                   | 2 1/2 x 3 5/8                     |
| 32000                          | 101C323U075BF2B        | 9.9                                   | 26.7                                   | 2 x 5 5/8                         |
| 34000                          | 101C343U075DB2B        | 13.3                                  | 24.2                                   | 3 x 3 1/8                         |
| 35000                          | 101C353U075CC2B        | 8.7                                   | 29.4                                   | 2 1/2 x 4 1/8                     |
| 41000                          | 101C413U075CD2D        | 8.4                                   | 30.9                                   | 2 1/2 x 4 5/8                     |
| 43000                          | 101C433U075DJ2B        | 10.8                                  | 28.2                                   | 3 x 3 5/8                         |
| 47000                          | 101C473U075CE2D        | 7.5                                   | 34.0                                   | 2 1/2 x 5 1/8                     |
| 52000                          | 101C523U075DC2D        | 7.6                                   | 35.0                                   | 3 x 4 1/8                         |
| 53000                          | 101C533U075CF2D        | 6.7                                   | 36.9                                   | 2 1/2 x 5 5/8                     |
| 61000                          | 101C613U075DD2D        | 7.9                                   | 35.7                                   | 3 x 4 5/8                         |
| 70000                          | 101C703U075DE2D        | 6.1                                   | 42.0                                   | 3 x 5 1/8                         |
| 79000                          | 101C793U075DF2D        | 6.0                                   | 43.5                                   | 3 x 5 5/8                         |
| 83000                          | 101C833U075DP2D        | 5.7                                   | 45.1                                   | 3 x 5 7/8                         |
| 110000                         | 101C114U075DN2D        | 4.7                                   | 54.7                                   | 3 x 7 5/8                         |
| 130000                         | 101C134U075DG2D        | 4.1                                   | 60.3                                   | 3 x 8 5/8                         |
| <b>100 Vdc (150 Vdc Surge)</b> |                        |                                       |                                        |                                   |
| 1300                           | 101C132U100AK2B        | 116.0                                 | 3.5                                    | 1 3/8 x 1 5/8                     |
| 2300                           | 101C232U100AA2B        | 79.9                                  | 4.9                                    | 1 3/8 x 2 1/8                     |
| 3400                           | 101C342U100AH2B        | 59.4                                  | 6.4                                    | 1 3/8 x 2 5/8                     |
| 4100                           | 101C412U100BA2B        | 47.6                                  | 8.7                                    | 2 x 2 1/8                         |
| 4200                           | 101C422U100EA2B        | 55.0                                  | 7.4                                    | 1 3/4 x 2 1/8                     |
| 4400                           | 101C442U100AB2B        | 46.6                                  | 8.0                                    | 1 3/8 x 3 1/8                     |
| 5400                           | 101C542U100AJ2B        | 38.5                                  | 9.3                                    | 1 3/8 x 3 5/8                     |
| 6100                           | 101C612U100EH2B        | 39.6                                  | 9.5                                    | 1 3/4 x 2 5/8                     |
| 6500                           | 101C652U100AC2B        | 32.9                                  | 10.6                                   | 1 3/8 x 4 1/8                     |
| 6500                           | 101C652U100BH2B        | 32.0                                  | 11.4                                   | 2 x 2 5/8                         |
| 7500                           | 101C752U100AD2B        | 28.9                                  | 11.8                                   | 1 3/8 x 4 5/8                     |
| 7900                           | 101C792U100EB2B        | 31.1                                  | 11.4                                   | 1 3/4 x 3 1/8                     |
| 8500                           | 101C852U100AE2B        | 25.8                                  | 12.9                                   | 1 3/8 x 5 1/8                     |

| Cap.<br>(µF)                   | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|--------------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 8900                           | 101C892U100BB2B        | 21.0                                  | 15.0                                   | 2 x 3 1/8                         |
| 9600                           | 101C962U100AF2B        | 23.4                                  | 14.1                                   | 1 3/8 x 5 5/8                     |
| 9800                           | 101C982U100EJ2B        | 25.8                                  | 13.2                                   | 1 3/4 x 3 5/8                     |
| 11000                          | 101C113U100CH2B        | 20.7                                  | 16.3                                   | 2 1/2 x 2 5/8                     |
| 11000                          | 101C113U100BJ2B        | 19.5                                  | 16.4                                   | 2 x 3 5/8                         |
| 12000                          | 101C123U100EC2B        | 20.7                                  | 15.4                                   | 1 3/4 x 4 1/8                     |
| 14000                          | 101C143U100ED2B        | 18.6                                  | 16.9                                   | 1 3/4 x 4 5/8                     |
| 14000                          | 101C143U100BC2B        | 14.8                                  | 19.7                                   | 2 x 4 1/8                         |
| 15000                          | 101C153U100EE2B        | 17.0                                  | 18.3                                   | 1 3/4 x 5 1/8                     |
| 15000                          | 101C153U100CB2B        | 16.5                                  | 19.4                                   | 2 1/2 x 3 1/8                     |
| 16000                          | 101C163U100BD2B        | 14.3                                  | 20.8                                   | 2 x 4 5/8                         |
| 17000                          | 101C173U100EF2B        | 15.9                                  | 19.6                                   | 1 3/4 x 5 5/8                     |
| 18000                          | 101C183U100BE2B        | 12.7                                  | 22.9                                   | 2 x 5 1/8                         |
| 19000                          | 101C193U100CJ2B        | 13.3                                  | 22.7                                   | 2 1/2 x 3 5/8                     |
| 21000                          | 101C213U100BF2B        | 11.4                                  | 24.9                                   | 2 x 5 5/8                         |
| 22000                          | 101C223U100DB2B        | 13.8                                  | 23.8                                   | 3 x 3 1/8                         |
| 22000                          | 101C223U100CC2B        | 10.0                                  | 27.4                                   | 2 1/2 x 4 1/8                     |
| 26000                          | 101C263U100CD2B        | 9.7                                   | 28.9                                   | 2 1/2 x 4 5/8                     |
| 28000                          | 101C283U100DJ2B        | 11.2                                  | 27.7                                   | 3 x 3 5/8                         |
| 30000                          | 101C303U100CE2D        | 8.6                                   | 31.7                                   | 2 1/2 x 5 1/8                     |
| 34000                          | 101C343U100DC2D        | 8.5                                   | 33.2                                   | 3 x 4 1/8                         |
| 34000                          | 101C343U100CF2D        | 7.7                                   | 34.5                                   | 2 1/2 x 5 5/8                     |
| 39000                          | 101C393U100DD2D        | 7.9                                   | 35.7                                   | 3 x 4 5/8                         |
| 45000                          | 101C453U100DE2D        | 6.5                                   | 40.5                                   | 3 x 5 1/8                         |
| 51000                          | 101C513U100DF2D        | 6.0                                   | 43.5                                   | 3 x 5 5/8                         |
| 54000                          | 101C543U100DP2D        | 6.0                                   | 44.1                                   | 3 x 5 7/8                         |
| 74000                          | 101C743U100DN2D        | 4.8                                   | 54.0                                   | 3 x 7 5/8                         |
| 85000                          | 101C853U100DG2D        | 4.2                                   | 59.2                                   | 3 x 8 5/8                         |
| <b>150 Vdc (200 Vdc Surge)</b> |                        |                                       |                                        |                                   |
| 490                            | 101C491U150AK2B        | 433.0                                 | 2.1                                    | 1 3/8 x 1 5/8                     |
| 880                            | 101C881U150AA2B        | 241.0                                 | 3.1                                    | 1 3/8 x 2 1/8                     |
| 1200                           | 101C122U150EA2B        | 199.0                                 | 3.9                                    | 1 3/4 x 2 1/8                     |
| 1300                           | 101C132U150AH2B        | 163.0                                 | 4.0                                    | 1 3/8 x 2 5/8                     |
| 1500                           | 101C152U150BA2B        | 159.0                                 | 4.8                                    | 2 x 2 1/8                         |
| 1700                           | 101C172U150AB2B        | 125.0                                 | 4.9                                    | 1 3/8 x 3 1/8                     |
| 1800                           | 101C182U150EH2B        | 133.0                                 | 5.2                                    | 1 3/4 x 2 5/8                     |
| 1900                           | 101C192U150AJ2B        | 112.0                                 | 5.5                                    | 1 3/8 x 3 5/8                     |
| 2300                           | 101C232U150BH2B        | 104.0                                 | 6.3                                    | 2 x 2 5/8                         |
| 2500                           | 101C252U150EB2B        | 95.5                                  | 6.5                                    | 1 3/4 x 3 1/8                     |
| 2500                           | 101C252U150AC2B        | 84.9                                  | 6.6                                    | 1 3/8 x 4 1/8                     |
| 2700                           | 101C272U150AD2B        | 80.1                                  | 7.1                                    | 1 3/8 x 4 5/8                     |
| 3100                           | 101C312U150AE2B        | 74.0                                  | 7.6                                    | 1 3/8 x 5 1/8                     |
| 3200                           | 101C322U150EJ2B        | 74.6                                  | 7.7                                    | 1 3/4 x 3 5/8                     |
| 3400                           | 101C342U150BB2B        | 54.6                                  | 9.3                                    | 2 x 3 1/8                         |
| 3600                           | 101C362U150AF2B        | 66.3                                  | 8.4                                    | 1 3/8 x 5 5/8                     |
| 3800                           | 101C382U150CH2B        | 62.8                                  | 9.4                                    | 2 1/2 x 2 5/8                     |
| 4000                           | 101C402U150BJ2B        | 59.7                                  | 9.4                                    | 2 x 3 5/8                         |
| 4400                           | 101C442U150EC2B        | 54.3                                  | 9.5                                    | 1 3/4 x 4 1/8                     |
| 4500                           | 101C452U150ED2B        | 53.1                                  | 10.0                                   | 1 3/4 x 4 5/8                     |
| 5200                           | 101C522U150EE2B        | 45.9                                  | 11.1                                   | 1 3/4 x 5 1/8                     |

# Type 101C -55 °C to 105 °C Low-ESR, Wide-Temperature Grade

| Cap.<br>(µF)            | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|-------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 5200                    | 101C522U150CB2B        | 45.9                                  | 11.6                                   | 2 1/2 x 3 1/8                     |
| 5200                    | 101C522U150BC2B        | 45.0                                  | 11.3                                   | 2 x 4 1/8                         |
| 5700                    | 101C572U150BD2B        | 41.9                                  | 12.2                                   | 2 x 4 5/8                         |
| 5800                    | 101C582U150EF2B        | 41.2                                  | 12.2                                   | 1 3/4 x 5 5/8                     |
| 6600                    | 101C662U150BE2B        | 36.2                                  | 13.6                                   | 2 x 5 1/8                         |
| 6600                    | 101C662U150CJ2B        | 36.2                                  | 13.8                                   | 2 1/2 x 3 5/8                     |
| 7800                    | 101C782U150DB2B        | 35.7                                  | 14.8                                   | 3 x 3 1/8                         |
| 7900                    | 101C792U150BF2B        | 30.2                                  | 15.3                                   | 2 x 5 5/8                         |
| 8500                    | 101C852U150CC2B        | 28.1                                  | 16.3                                   | 2 1/2 x 4 1/8                     |
| 9400                    | 101C942U150CD2B        | 25.4                                  | 17.8                                   | 2 1/2 x 4 5/8                     |
| 9900                    | 101C992U150DJ2B        | 28.1                                  | 17.5                                   | 3 x 3 5/8                         |
| 11000                   | 101C113U150CE2B        | 21.7                                  | 19.9                                   | 2 1/2 x 5 1/8                     |
| 12000                   | 101C123U150DC2B        | 23.2                                  | 20.1                                   | 3 x 4 1/8                         |
| 13000                   | 101C133U150CF2B        | 18.4                                  | 22.3                                   | 2 1/2 x 5 5/8                     |
| 14000                   | 101C143U150DD2B        | 19.9                                  | 22.5                                   | 3 x 4 5/8                         |
| 16000                   | 101C163U150DE2B        | 17.4                                  | 24.8                                   | 3 x 5 1/8                         |
| 18000                   | 101C183U150DF2B        | 15.5                                  | 27.1                                   | 3 x 5 5/8                         |
| 19000                   | 101C193U150DP2B        | 14.7                                  | 28.2                                   | 3 x 5 7/8                         |
| 26000                   | 101C263U150DN2D        | 11.3                                  | 35.7                                   | 3 x 7 5/8                         |
| 30000                   | 101C303U150DG2D        | 9.3                                   | 40.0                                   | 3 x 8 5/8                         |
| 200 Vdc (275 Vdc Surge) |                        |                                       |                                        |                                   |
| 380                     | 101C381T200AK2B        | 454.0                                 | 2.0                                    | 1 3/8 x 1 5/8                     |
| 680                     | 101C681T200AA2B        | 254.0                                 | 3.0                                    | 1 3/8 x 2 1/8                     |
| 890                     | 101C891T200EA2B        | 224.0                                 | 3.7                                    | 1 3/4 x 2 1/8                     |
| 980                     | 101C981T200AH2B        | 176.0                                 | 3.9                                    | 1 3/8 x 2 5/8                     |
| 1100                    | 101C112T200BA2B        | 181.0                                 | 4.5                                    | 2 x 2 1/8                         |
| 1300                    | 101C132T200AB2B        | 133.0                                 | 4.8                                    | 1 3/8 x 3 1/8                     |
| 1400                    | 101C142T200EH2B        | 142.0                                 | 5.0                                    | 1 3/4 x 2 5/8                     |
| 1600                    | 101C162T200AJ2B        | 108.0                                 | 5.6                                    | 1 3/8 x 3 5/8                     |
| 1800                    | 101C182T200BH2B        | 111.0                                 | 6.1                                    | 2 x 2 5/8                         |
| 1900                    | 101C192T200EB2B        | 105.0                                 | 6.2                                    | 1 3/4 x 3 1/8                     |
| 1900                    | 101C192T200AC2B        | 88.9                                  | 6.4                                    | 1 3/8 x 4 1/8                     |
| 2200                    | 101C222T200AD2B        | 90.4                                  | 6.7                                    | 1 3/8 x 4 5/8                     |
| 2400                    | 101C242T200EJ2B        | 82.9                                  | 7.3                                    | 1 3/4 x 3 5/8                     |
| 2400                    | 101C242T200BB2B        | 82.9                                  | 7.5                                    | 2 x 3 1/8                         |
| 2500                    | 101C252T200AE2B        | 79.6                                  | 7.4                                    | 1 3/8 x 5 1/8                     |
| 2800                    | 101C282T200AF2B        | 71.0                                  | 8.1                                    | 1 3/8 x 5 5/8                     |
| 3100                    | 101C312T200BJ2B        | 64.2                                  | 9.0                                    | 2 x 3 5/8                         |
| 3400                    | 101C342T200EC2B        | 58.5                                  | 9.1                                    | 1 3/4 x 4 1/8                     |
| 3500                    | 101C352T200ED2B        | 56.8                                  | 9.7                                    | 1 3/4 x 4 5/8                     |
| 4000                    | 101C402T200EE2B        | 49.7                                  | 10.7                                   | 1 3/4 x 5 1/8                     |
| 4000                    | 101C402T200CB2B        | 49.7                                  | 11.2                                   | 2 1/2 x 3 1/8                     |
| 4000                    | 101C402T200BC2B        | 43.1                                  | 11.5                                   | 2 x 4 1/8                         |
| 4400                    | 101C442T200BD2B        | 45.2                                  | 11.7                                   | 2 x 4 5/8                         |
| 4500                    | 101C452T200EF2B        | 44.2                                  | 11.7                                   | 1 3/4 x 5 5/8                     |
| 5000                    | 101C502T200BE2B        | 39.8                                  | 12.9                                   | 2 x 5 1/8                         |
| 5100                    | 101C512T200CJ2B        | 39.0                                  | 13.3                                   | 2 1/2 x 3 5/8                     |
| 6100                    | 101C612T200BF2B        | 32.6                                  | 14.7                                   | 2 x 5 5/8                         |
| 6500                    | 101C652T200CC2B        | 26.3                                  | 16.9                                   | 2 1/2 x 4 1/8                     |
| 7200                    | 101C722T200CD2B        | 27.6                                  | 17.1                                   | 2 1/2 x 4 5/8                     |
| 7600                    | 101C762T200DJ2B        | 29.7                                  | 17.0                                   | 3 x 3 5/8                         |

| Cap.<br>(µF)            | Catalog<br>Part Number | ESR Max.<br>@ 25 °C<br>120 Hz<br>(mΩ) | Ripple Max.<br>@ 85°C<br>120 Hz<br>(A) | Nominal Size<br>D x L<br>(inches) |
|-------------------------|------------------------|---------------------------------------|----------------------------------------|-----------------------------------|
| 8300                    | 101C832T200CE2B        | 24.0                                  | 19.0                                   | 2 1/2 x 5 1/8                     |
| 9300                    | 101C932T200DC2B        | 21.4                                  | 20.9                                   | 3 x 4 1/8                         |
| 10000                   | 101C103T200CF2B        | 21.2                                  | 20.8                                   | 2 1/2 x 5 5/8                     |
| 11000                   | 101C113T200DD2B        | 20.5                                  | 22.1                                   | 3 x 4 5/8                         |
| 13000                   | 101C133T200DB2B        | 17.8                                  | 20.9                                   | 3 x 3 1/8                         |
| 13000                   | 101C133T200DE2B        | 17.8                                  | 24.5                                   | 3 x 5 1/8                         |
| 14000                   | 101C143T200DF2B        | 16.9                                  | 25.9                                   | 3 x 5 5/8                         |
| 15000                   | 101C153T200DP2B        | 15.9                                  | 27.1                                   | 3 x 5 7/8                         |
| 20000                   | 101C203T200DN2D        | 12.5                                  | 33.9                                   | 3 x 7 5/8                         |
| 23000                   | 101C233T200DG2D        | 10.4                                  | 37.8                                   | 3 x 8 5/8                         |
| 250 Vdc (350 Vdc Surge) |                        |                                       |                                        |                                   |
| 290                     | 101C291T250AK2B        | 549.0                                 | 1.8                                    | 1 3/8 x 1 5/8                     |
| 530                     | 101C531T250AA2B        | 300.0                                 | 2.7                                    | 1 3/8 x 2 1/8                     |
| 700                     | 101C701T250EA2B        | 227.0                                 | 3.7                                    | 1 3/4 x 2 1/8                     |
| 760                     | 101C761T250AH2B        | 209.0                                 | 3.5                                    | 1 3/8 x 2 5/8                     |
| 890                     | 101C891T250BA2B        | 164.0                                 | 4.7                                    | 2 x 2 1/8                         |
| 990                     | 101C991T250AB2B        | 161.0                                 | 4.3                                    | 1 3/8 x 3 1/8                     |
| 1100                    | 101C112T250EH2B        | 145.0                                 | 5.0                                    | 1 3/4 x 2 5/8                     |
| 1200                    | 101C122T250AJ2B        | 133.0                                 | 5.0                                    | 1 3/8 x 3 5/8                     |
| 1400                    | 101C142T250BH2B        | 104.0                                 | 6.3                                    | 2 x 2 5/8                         |
| 1500                    | 101C152T250AC2B        | 106.0                                 | 5.9                                    | 1 3/8 x 4 1/8                     |
| 1500                    | 101C152T250EB2B        | 106.0                                 | 6.2                                    | 1 3/4 x 3 1/8                     |
| 1700                    | 101C172T250AD2B        | 101.0                                 | 6.3                                    | 1 3/8 x 4 5/8                     |
| 1900                    | 101C192T250AE2B        | 90.7                                  | 6.9                                    | 1 3/8 x 5 1/8                     |
| 1900                    | 101C192T250EJ2B        | 83.8                                  | 7.3                                    | 1 3/4 x 3 5/8                     |
| 1900                    | 101C192T250BB2B        | 69.8                                  | 8.2                                    | 2 x 3 1/8                         |
| 2200                    | 101C222T250AF2B        | 84.4                                  | 7.4                                    | 1 3/8 x 5 5/8                     |
| 2300                    | 101C232T250CH2B        | 75.0                                  | 8.6                                    | 2 1/2 x 2 5/8                     |
| 2300                    | 101C232T250EC2B        | 69.2                                  | 8.4                                    | 1 3/4 x 4 1/8                     |
| 2400                    | 101C242T250BJ2B        | 58.0                                  | 9.5                                    | 2 x 3 5/8                         |
| 2700                    | 101C272T250ED2B        | 58.9                                  | 9.5                                    | 1 3/4 x 4 5/8                     |
| 2900                    | 101C292T250BC2B        | 50.3                                  | 10.7                                   | 2 x 4 1/8                         |
| 3100                    | 101C312T250CB2B        | 55.6                                  | 10.6                                   | 2 1/2 x 3 1/8                     |
| 3100                    | 101C312T250EE2B        | 51.3                                  | 10.5                                   | 1 3/4 x 5 1/8                     |
| 3400                    | 101C342T250BD2B        | 45.6                                  | 11.7                                   | 2 x 4 5/8                         |
| 3500                    | 101C352T250EF2B        | 45.5                                  | 11.6                                   | 1 3/4 x 5 5/8                     |
| 3900                    | 101C392T250BE2B        | 42.0                                  | 12.6                                   | 2 x 5 1/8                         |
| 4000                    | 101C402T250CJ2B        | 43.1                                  | 12.6                                   | 2 1/2 x 3 5/8                     |
| 4500                    | 101C452T250BF2B        | 38.3                                  | 13.6                                   | 2 x 5 5/8                         |
| 4700                    | 101C472T250DB2B        | 42.3                                  | 13.6                                   | 3 x 3 1/8                         |
| 5100                    | 101C512T250CC2B        | 30.6                                  | 15.6                                   | 2 1/2 x 4 1/8                     |
| 5700                    | 101C572T250CD2B        | 28.9                                  | 16.7                                   | 2 1/2 x 4 5/8                     |
| 5900                    | 101C592T250DJ2B        | 33.7                                  | 16.0                                   | 3 x 3 5/8                         |
| 6500                    | 101C652T250CE2B        | 26.6                                  | 18.0                                   | 2 1/2 x 5 1/8                     |
| 7200                    | 101C722T250DC2B        | 27.6                                  | 18.4                                   | 3 x 4 1/8                         |
| 7700                    | 101C772T250CF2B        | 24.1                                  | 19.5                                   | 2 1/2 x 5 5/8                     |
| 8500                    | 101C852T250DD2B        | 23.4                                  | 20.7                                   | 3 x 4 5/8                         |
| 9700                    | 101C972T250DE2B        | 20.5                                  | 22.8                                   | 3 x 5 1/8                         |
| 11000                   | 101C113T250DF2B        | 18.1                                  | 25.0                                   | 3 x 5 5/8                         |
| 12000                   | 101C123T250DP2B        | 16.6                                  | 26.5                                   | 3 x 5 7/8                         |
| 16000                   | 101C163T250DN2D        | 13.4                                  | 32.8                                   | 3 x 7 5/8                         |
| 18000                   | 101C183T250DG2D        | 11.1                                  | 36.7                                   | 3 x 8 5/8                         |



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

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