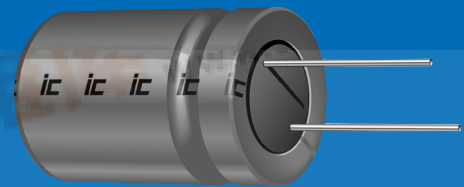


BPS

查询 "476BPS025M" 供应商

+85°C Non-Polar Radial Lead Aluminum Electrolytic Capacitors



For all applications with unknown/reversed polarity

FEATURES

- Audio Coupling
- Crossover Networks
- Capacitance Range: .47 μ F to 4,700 μ F
- Voltage Range: 10 WVDC to 100 WVDC
- Solvent Tolerant End Seals Standard

SPECIFICATIONS

| | | | | | | | | | | | |
|-----------------------------------|---|---|------|------|--|------|------|------------------|-----|-----|-----|
| Capacitance Tolerance | | $\pm 20\%$ at 120Hz, 25°C | | | | | | | | | |
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | |
| Dissipation Factor 120Hz, 25°C | WVDC | 10 | 16 | 25 | 35 | 50 | 63 | 100 | | | |
| | tan δ | .24 | .22 | .20 | .16 | .14 | .12 | .10 | | | |
| Impedance Ratio (Max.) @120Hz | WVDC | 10 | 16 | 25 | 35 | 50 | 63 | 100 | | | |
| | -25°C/25°C | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | -40°C/25°C | 8 | 6 | 5 | 4 | 4 | 3 | 3 | | | |
| Leakage Current | WVDC | ≤ 100 WVDC | | | | | | | | | |
| | Time | 5 minutes | | | | | | | | | |
| | | .03 CV or 3 μ A whichever is greater | | | | | | | | | |
| Load Life | 2,000 hours at +85°C, with rated WVDC reversing polarity every 250 hours | | | | | | | | | | |
| | | Capacitance change Dissipation factor Leakage current | | | $\leq 20\%$ of initial measured value $\leq 200\%$ of initial specified value \leq initial specified value | | | | | | |
| Shelf Life | 1,000 hours at +85°C with no voltage applied. Units will meet load life specifications | | | | | | | | | | |
| Ripple Current Multipliers | | Frequency (Hz) | | | | | | Temperature (°C) | | | |
| | Capacitance (μ F) | 50 | 120 | 400 | 1K | 10K | 100K | +85 | +70 | +60 | +45 |
| | C \leq 10 | .72 | 1.0 | 1.25 | 1.45 | 1.65 | 1.7 | 1.0 | 1.3 | 1.5 | 1.8 |
| | 10<C \leq 100 | .75 | 1.0 | 1.19 | 1.36 | 1.53 | 1.57 | 1.0 | 1.3 | 1.5 | 1.8 |
| C>1000 | .79 | 1.0 | 1.15 | 1.30 | 1.45 | 1.49 | 1.0 | 1.3 | 1.5 | 1.8 | |

SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- Special tolerances: $\pm 10\%$ (K), -10% + 30% (Q)
- Tape and Reel/Ammo-Pack
- Cut, Formed, Cut and Formed, and Snap In Leads
- Epoxy end seal
- Polyester sleeve



ILLINOIS CAPACITOR, INC.

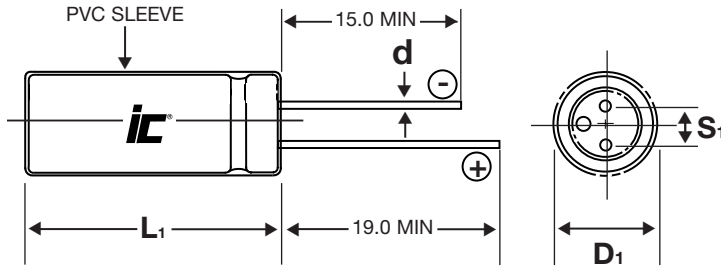
3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com

PHYSICAL DIMENSIONS

| WVDC (μF) (SV) | 10 (13) | 16 (20) | 25 (32) | 35 (44) | 50 (63) | 63 (79) | 100 (125) |
|----------------------|------------|------------|------------|------------|------------|------------|--------------|
| 0.47 | | | | | 5x11 | | 5x11 |
| 1 | | | | | 5x11 | | 5x11 |
| 2.2 | | | | | 5x11 | | 6.3x11 |
| 3.3 | | | | | 5x11 | | 6.3x11 |
| 4.7 | | | | | 5x11 | 5x11 | 6.3x11 |
| 10 | | | | 5x11 | 6.3x11 | 6.3x11 | 8x11.5 |
| 22 | 5x11 | 5x11 | | 6.3x11 | 8x11.5 | 8x11.5 | 10x16 |
| 33 | 5x11 | 5x11 | 6.3x11 | | 8x11.5 | 10x12.5 | 12.5x20 |
| 47 | 5x11 | 6.3x11 | 6.3x11 | 8x11.5 | 10x12.5 | 10x16 | 12.5x20 |
| 100 | 6.3x11 | 8x11.5 | 8x11.5 | 10x16 | 10x20 | 12.5x20 | 16x25 |
| 220 | 8x11.5 | 10x12.5 | 10x16 | 12.5x20 | 12.5x25 | 16x25 | 18x35.5 |
| 330 | 10x16 | 10x16 | | 12.5x20 | 16x25 | 16x31.5 | 18x35.5 |
| 470 | 10x16 | 10x20 | 12.5x20 | 12.5x25 | 16x31.5 | 18x35.5 | 18x42 |
| 1000 | 12.5x20 | 12.5x25 | 16x25 | 16x31.5 | | | |
| 2200 | 16x25 | 16x31.5 | 18x35.5 | | | | |
| 3300 | 16x31.5 | 18x35.5 | | | | | |
| 4700 | 18x35.5 | | | | | | |

Convert to inches, divide by 25.4

DxL(mm)



NOTE: Case Vent is standard on all diameter ≥8.0mm

LEAD INFORMATION VS. CASE DIAMETER

| D | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 18.0 |
|---|-----|-----|-----|------|------|------|------|
| S | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| d | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| B | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.5 |

L₁=L+2.0 mm Max.
D₁=D+B Max.
S₁=S±0.5 mm Max.

| Capacitance (μF) | WVDC | ic PART NUMBER | Maximum ESR Ω 120Hz,+25°C | Maximum RMS Ripple Current (mA) 120Hz,+85°C | Dimensions DxL (mm) |
|------------------|------|----------------|------------------------------|--|---------------------|
| 0.47 | 50 | 474BPS050M | 564.379 | 5 | 5x11 |
| 0.47 | 100 | 474BPS100M | 352.737 | 10 | 5x11 |
| 1.0 | 50 | 105BPS050M | 265.258 | 10 | 5x11 |
| 1.0 | 100 | 105BPS100M | 165.786 | 18 | 5x11 |
| 2.2 | 50 | 225BPS050M | 120.572 | 23 | 5x11 |
| 2.2 | 100 | 225BPS100M | 75.357 | 30 | 6.3x11 |
| 3.3 | 50 | 335BPS050M | 80.381 | 28 | 5x11 |
| 3.3 | 100 | 335BPS100M | 50.238 | 35 | 6.3x11 |
| 4.7 | 50 | 475BPS050M | 56.438 | 35 | 5x11 |
| 4.7 | 63 | 475BPS063M | 42.328 | 37 | 5x11 |
| 4.7 | 100 | 475BPS100M | 35.274 | 44 | 6.3x11 |
| 10 | 35 | 106BPS035M | 23.210 | 46 | 5x11 |
| 10 | 50 | 106BPS050M | 26.526 | 54 | 6.3x11 |
| 10 | 63 | 106BPS063M | 19.894 | 58 | 6.3x11 |
| 10 | 100 | 106BPS100M | 16.579 | 72 | 8x11.5 |
| 22 | 16 | 226BPS016M | 16.579 | 60 | 5x11 |
| 22 | 35 | 226BPS035M | 10.550 | 75 | 6.3x11 |
| 22 | 50 | 226BPS050M | 12.057 | 90 | 8x11.5 |
| 22 | 63 | 226BPS063M | 9.043 | 96 | 8x11.5 |
| 22 | 100 | 226BPS100M | 7.536 | 138 | 10x16 |
| 33 | 16 | 336BPS016M | 11.052 | 72 | 5x11 |
| 33 | 25 | 336BPS025M | 10.048 | 82 | 6.3x11 |
| 33 | 50 | 336BPS050M | 8.038 | 108 | 8x11.5 |
| 33 | 63 | 336BPS063M | 6.029 | 135 | 10x12.5 |
| 33 | 100 | 336BPS100M | 5.024 | 200 | 12.5x20 |
| 47 | 10 | 476BPS010M | 8.466 | 82 | 5x11 |
| 47 | 25 | 476BPS025M | 7.055 | 95 | 6.3x11 |
| 47 | 35 | 476BPS035M | 4.938 | 120 | 8x11.5 |
| 47 | 50 | 476BPS050M | 5.644 | 155 | 10x12.5 |
| 47 | 63 | 476BPS063M | 4.233 | 185 | 10x16 |
| 47 | 100 | 476BPS100M | 3.527 | 245 | 12.5x20 |
| 100 | 10 | 107BPS010M | 3.979 | 125 | 6.3x11 |
| 100 | 25 | 107BPS025M | 3.316 | 160 | 8x11.5 |

| Capacitance (μF) | WVDC | ic PART NUMBER | Maximum ESR Ω 120Hz,+25°C | Maximum RMS Ripple Current (mA) 120Hz,+85°C | Dimensions DxL (mm) |
|------------------|------|----------------|------------------------------|--|---------------------|
| 100 | 35 | 107BPS035M | 2.321 | 230 | 10x16 |
| 100 | 50 | 107BPS050M | 2.653 | 270 | 10x20 |
| 100 | 63 | 107BPS063M | 1.989 | 325 | 12.5x20 |
| 100 | 100 | 107BPS100M | 1.658 | 430 | 16x25 |
| 220 | 10 | 227BPS010M | 1.809 | 215 | 8x11.5 |
| 220 | 16 | 227BPS016M | 1.658 | 263 | 10x12.5 |
| 220 | 25 | 227BPS025M | 1.507 | 305 | 10x16 |
| 220 | 35 | 227BPS035M | 1.055 | 418 | 12.5x20 |
| 220 | 50 | 227BPS050M | 1.206 | 490 | 12.5x25 |
| 220 | 63 | 227BPS063M | 0.904 | 575 | 16x25 |
| 220 | 100 | 227BPS100M | 0.754 | 650 | 18x35.5 |
| 330 | 16 | 337BPS016M | 1.105 | 358 | 10x16 |
| 330 | 35 | 337BPS035M | 0.703 | 520 | 12.5x20 |
| 330 | 50 | 337BPS050M | 0.804 | 660 | 16x25 |
| 330 | 63 | 337BPS063M | 0.603 | 655 | 16x31.5 |
| 330 | 100 | 337BPS100M | 0.502 | 790 | 18x35.5 |
| 470 | 10 | 477BPS010M | 0.847 | 410 | 10x16 |
| 470 | 16 | 477BPS016M | 0.776 | 465 | 10x20 |
| 470 | 25 | 477BPS025M | 0.705 | 550 | 12.5x20 |
| 470 | 35 | 477BPS035M | 0.494 | 665 | 12.5x25 |
| 470 | 50 | 477BPS050M | 0.564 | 850 | 16x31.5 |
| 470 | 63 | 477BPS063M | 0.423 | 965 | 18x35.5 |
| 470 | 100 | 477BPS100M | 0.353 | 1030 | 18x42 |
| 1,000 | 10 | 108BPS010M | 0.398 | 725 | 12.5x20 |
| 1,000 | 16 | 108BPS016M | 0.365 | 825 | 12.5x25 |
| 1,000 | 25 | 108BPS025M | 0.332 | 965 | 16x25 |
| 1,000 | 35 | 108BPS035M | 0.232 | 1160 | 16x31.5 |
| 2200 | 10 | 228BPS010M | 0.211 | 1280 | 16x25 |
| 2200 | 16 | 228BPS016M | 0.196 | 1460 | 16x31.5 |
| 2200 | 25 | 228BPS025M | 0.181 | 1620 | 18x35.5 |
| 3300 | 10 | 338BPS010M | 0.151 | 1590 | 16x31.5 |
| 3300 | 16 | 338BPS016M | 0.141 | 1890 | 18x35.5 |
| 4700 | 10 | 478BPS010M | 0.113 | 1990 | 18x35.5 |