



FEATURES

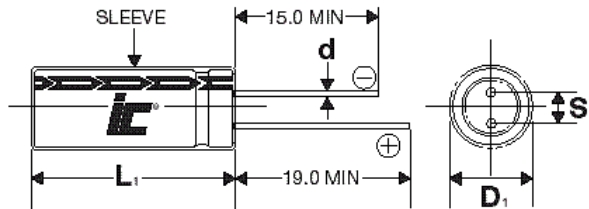
Very fast charge/discharge – High power density – IEC 62391 compliant – Circuit board mountable

APPLICATIONS

Battery backup/ alternative – Pulse power – Energy harvesting – LED Displays – Mechanical actuators – Audio systems

| | | | |
|---|-------------|---|-------------------------------------|
| Operating Temperature Range | | -25°C to +70°C | |
| Capacitance Tolerance | | -20%/+50% @ 20°C | |
| Surge Voltage | WVDC | 2.3 | |
| | SVDC | 2.5 | |
| Maximum Current | | See standard part listing | 1 second discharge to ½ WVDC |
| Leakage Current | | See standard part listing | 72 hours, 25°C |
| Endurance | | 1000 hours at rated voltage and 70°C | |
| | | Capacitance Change | ±30% of initially measured values |
| | | ESR | ≤200% of initially specified values |
| Life Cycles (25°C) 1 cycle= Charge to WVDC for 20s, constant voltage charging for 10s, discharge to ½ WVDC for 20s, rest for 10 s | | 25,000 cycles | |
| | | Capacitance Change | ±30% of initially measured values |
| | | ESR | ≤200% of initially specified values |

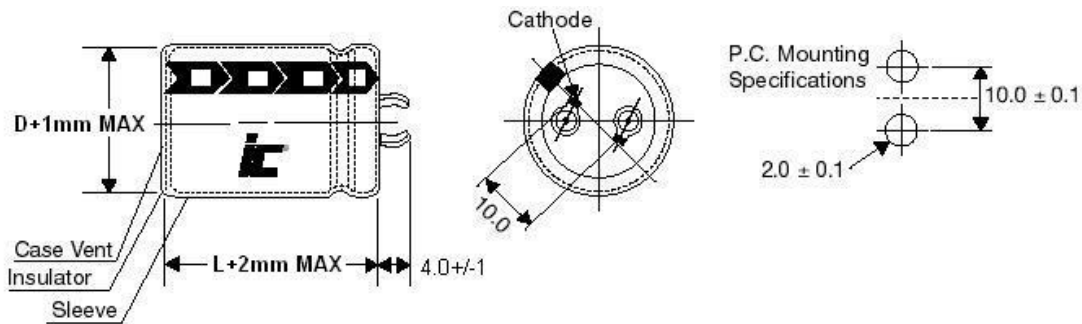
Diameters: ≤22 mm



| D | 10 | 16 | 18 | 22 |
|---|-----|-----|-----|-----|
| S | 5.0 | 7.5 | 7.5 | 10 |
| d | 0.6 | 0.8 | 0.8 | 1.0 |

L₁=L+1.5mm
D₁=D+0.5mm
S₁=S±0.5mm

Diameters: >22mm



DCR

Radial lead, high energy

| Capacitance (F) | WVDC | IC PART NUMBER | MAX Current (A) | ESR AC 1 kHz (mΩ) | DC ESR (mΩ) 20°C | Max stored energy (mWh) | LC (mA), (72 hrs) | Specific Energy Gravimetric Density (wh/kg) | Specific Energy Volumetric Density (wh/l) | Specific Power Gravimetric Density (kw/kg) | Specific Power Volumetric Density (kw/l) | Weight (grams) | Volume (mL) | Dims DxL (mm) | Lead Spacing (mm) |
|-----------------|------|----------------|-----------------|-------------------|------------------|-------------------------|-------------------|---|---|--|--|----------------|-------------|---------------|-------------------|
| 10.0 | 2.3 | 106DCR2R3SGU | 2.3 | 220 | 400 | 7.3472 | 0.05 | 3.6736 | 4.6774 | 0.794 | 1.0103 | 2 | 1.5708 | 10x20 | 5 |
| 22.0 | 2.3 | 226DCR2R3STU | 5.34 | 120 | 170 | 16.1639 | 0.065 | 4.6852 | 6.5858 | 1.082 | 1.5214 | 3.45 | 2.4544 | 12.5x20 | 5 |
| 30.0 | 2.3 | 306DCR2R3STV | 5.95 | 100 | 160 | 22.0417 | 0.085 | 5.8004 | 7.1845 | 1.044 | 1.2932 | 3.8 | 3.068 | 12.5x25 | 5 |
| 50.0 | 2.3 | 506DCR2R3SKV | 9.58 | 60 | 100 | 36.7361 | 0.11 | 5.248 | 7.3084 | 0.9069 | 1.2629 | 7 | 5.0265 | 16x25 | 7.5 |
| 70.0 | 2.3 | 706DCR2R3SKY | 11.58 | 50 | 85 | 51.4306 | 0.15 | 6.1593 | 7.3084 | 0.894 | 1.0613 | 8.35 | 7.0372 | 16x35 | 7.5 |
| 120.0 | 2.3 | 127DCR2R3SLZ | 15.68 | 35 | 65 | 88.1667 | 0.4 | 6.6291 | 8.6618 | 0.734 | 0.9595 | 13.3 | 10.179 | 18x40 | 7.5 |
| 220.0 | 2.3 | 227DCR2R3SNI | 23.21 | 25 | 45 | 161.1639 | 0.9 | 6.4656 | 9.0472 | 0.5643 | 0.7896 | 25 | 17.866 | 22x47 | 10 |
| 400.0 | 2.3 | 407DCR2R3SDG | 41.82 | 20 | 25 | 293.8889 | 2 | 4.432 | 9.2393 | 0.3829 | 0.7983 | 66.31 | 31.809 | 30x45 | 10 |
| 600.0 | 2.3 | 607DCR2R3SDZ | 53.08 | 15 | 20 | 440.8333 | 4 | 6.5649 | 10.394 | 0.473 | 0.7484 | 67.15 | 42.412 | 30x60 | 10 |
| 800.0 | 2.3 | 807DCR2R3SEK | 70.77 | 10 | 15 | 587.7778 | 7.2 | 7.9926 | 8.7275 | 0.5755 | 0.6284 | 73.54 | 67.348 | 35x70 | 10 |