



## Aluminum Electrolytic Capacitors

+85°C 7mm Height, Low Profile, Radial Lead

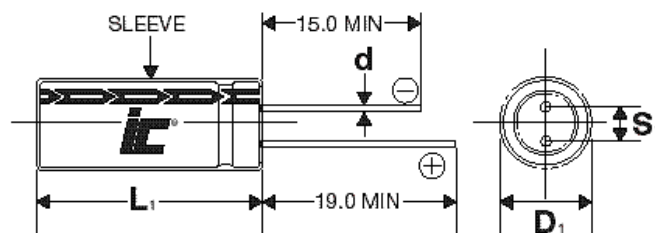
### FEATURES

Small Size - Low Heights - Lead Free Leads

### APPLICATIONS

Bypass - Coupling - Filtering - Blocking

|  |                |   |                                  |     |      |     |     |  |
|--|----------------|---|----------------------------------|-----|------|-----|-----|--|
| Operating Temperature Range                        |                | -40°C to +85°C  |                                  |     |      |     |     |  |
| Capacitance Tolerance                              |                | +20% at 120 Hz, 20°C  |                                  |     |      |     |     |  |
| Surge voltage                                      | WVDC           | 6.3   | 10                               | 16  | 25   | 35  | 50  |  |
|  | SVDC           | 7.9   | 13                               | 20  | 32   | 44  | 63  |  |
| Dissipation Factor                                 | WVDC           | 6.3   | 10                               | 16  | 25   | 35  | 50  |  |
|  | tan δ          | .22   | .2                               | .16 | .14  | .12 | .1  |  |
| Leakage current                                    |                | 2 Minutes<br>.01CV or 3uA, Whichever is greater               |                                  |     |      |     |     |  |
| Low temperature stability Impedance ratio (120 Hz) | Rated WVDC     | 6.3   | 10                               | 16  | 25   | 35  | 50  |  |
|  | -25°C to +20°C | 4   | 3                                | 2   | 2    | 2   | 2   |  |
|  | -40°C to +20°C | 8   | 6                                | 4   | 4    | 3   | 3   |  |
| Load Life  |                | 1000 hours at 85°C with rated WVDC and ripple current applied |                                  |     |      |     |     |  |
|  |                | Capacitance change  | ≤25% of initial measured value   |     |      |     |     |  |
|  |                | Dissipation factor  | ≤200% of maximum specified value |     |      |     |     |  |
| Shelf Life   |                | 1000 hours at 85°C with no voltage applied                    |                                  |     |      |     |     |  |
|  |                | Capacitance change  | ≤25% of initial measured value   |     |      |     |     |  |
|  |                | Dissipation factor  | ≤200% of maximum specified value |     |      |     |     |  |
| Ripple Current Multipliers                         |                | Frequency (Hz)  |                                  |     |      |     |     |  |
|  |                | Capacitance (uF)  | 50                               | 120 | 400  | 1k  | 10k |  |
|  |                | 0.1~68  | 0.8                              | 1.0 | 1    | 1.3 | 1.5 |  |
|  | 100~470        | 0.8   | 1.0                              | 1   | 1.15 | 1.2 |     |  |



|   |     |     |     |     |
|---|-----|-----|-----|-----|
| D | 4   | 5   | 6.3 | 8   |
| S | 1.5 | 2   | 2.5 | 3.5 |
| D | .45 | .45 | .45 | .5  |

D<sub>1</sub>=D+0.5mm  
L<sub>1</sub>=L+1mm  
S<sub>1</sub>=S±0.5mm

# PUM

+85°C, 7mm Height, General Purpose, 1000 hours

| Capacitance (µF) | WVDC | IC PART NUMBER               | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (mA)<br>120 Hz,<br>+85°C | Dims DxL (mm) |
|------------------|------|------------------------------|-------------------------------------|---|---------------|
| 4.7              | 50   | <a href="#">475PUM050M</a>   | 35.274                              | 26  | 4x7           |
| 6.8              | 35   | <a href="#">685PUM035M</a>   | 29.256                              | 24  | 4x7           |
| 6.8              | 50   | <a href="#">685PUM050M</a>   | 24.38                               | 27  | 5x7           |
| 10               | 35   | <a href="#">106PUM035M</a>   | 19.894                              | 31  | 4x7           |
| 10               | 50   | <a href="#">106PUM050M</a>   | 16.579                              | 34  | 5x7           |
| 15               | 35   | <a href="#">156PUM035M</a>   | 13.263                              | 39  | 5x7           |
| 15               | 50   | <a href="#">156PUM050M</a>   | 11.052                              | 43  | 6.3x7         |
| 22               | 16   | <a href="#">226PUM016M</a>   | 12.057                              | 40  | 4x7           |
| 22               | 35   | <a href="#">226PUM035M</a>   | 9.043                               | 55  | 5x7           |
| 22               | 50   | <a href="#">226PUM050M</a>   | 7.536                               | 58  | 6.3x7         |
| 22               | 50   | <a href="#">226PUM050MD8</a> | 7.536                               | 85  | 8x7           |
| 33               | 10   | <a href="#">336PUM010M</a>   | 10.048                              | 43  | 4x7           |
| 33               | 25   | <a href="#">336PUM025M</a>   | 7.033                               | 52  | 5x7           |
| 33               | 35   | <a href="#">336PUM035M</a>   | 6.029                               | 65  | 6.3x7         |

| Capacitance (µF) | WVDC | IC PART NUMBER             | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (mA)<br>120 Hz,<br>+85°C | Dims DxL (mm) |
|------------------|------|----------------------------|-------------------------------------|---|---------------|
| 33               | 50   | <a href="#">336PUM050M</a> | 5.024                               | 80  | 8x7           |
| 47               | 6.3  | <a href="#">476PUM6R3M</a> | 7.76                                | 44  | 4x7           |
| 47               | 16   | <a href="#">476PUM016M</a> | 5.644                               | 65  | 5x7           |
| 47               | 25   | <a href="#">476PUM025M</a> | 4.938                               | 70  | 6.3x7         |
| 47               | 35   | <a href="#">476PUM035M</a> | 4.233                               | 90  | 8x7           |
| 68               | 6.3  | <a href="#">686PUM6R3M</a> | 5.364                               | 58  | 5x7           |
| 68               | 16   | <a href="#">686PUM016M</a> | 3.901                               | 95  | 6.3x7         |
| 100              | 6.3  | <a href="#">107PUM6R3M</a> | 3.6473                              | 75  | 5x7           |
| 100              | 16   | <a href="#">107PUM016M</a> | 2.653                               | 95  | 6.3x7         |
| 100              | 25   | <a href="#">107PUM025M</a> | 2.321                               | 115   | 8x7           |
| 150              | 6.3  | <a href="#">157PUM6R3M</a> | 2.4315                              | 90  | 6.3x7         |
| 220              | 6.3  | <a href="#">227PUM6R3M</a> | 1.6579                              | 120   | 6.3x7         |
| 220              | 16   | <a href="#">227PUM016M</a> | 1.206                               | 160   | 8x7           |
| 330              | 6.3  | <a href="#">337PUM6R3M</a> | 1.105                               | 160   | 8x7           |