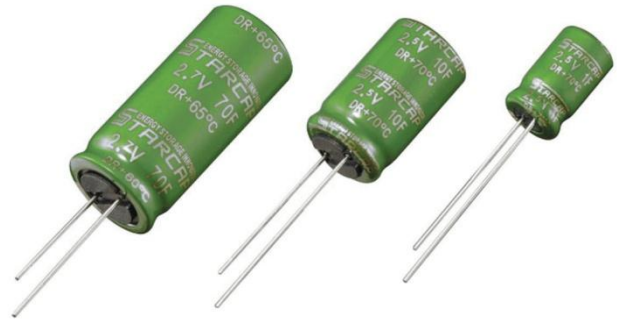


| Features |

- Small size but large capacity
- Low ESR
- Pb Free and RoHS Compliant

| Application |

- Solar voltaic applications
(e.g. Traffic sign "LED type". Road guidance flasher)
- Motor drive through quick discharge
(e.g. Toy car & plane)
- Emergency power supply for car DVR or black box

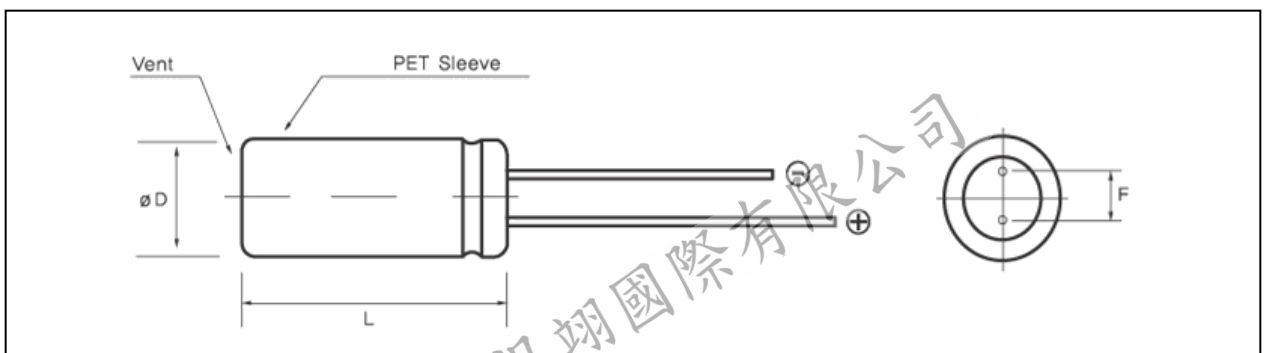


| Specifications |

| Items | Characteristics | | |
|-----------------------|---|----------------|--------------|
| | DRL | DR | |
| Rated working voltage | 2.3 VDC | 2.5 VDC | 2.7 VDC |
| Operating temperature | -25 to +65°C | -25 to +70°C | -40 to +65°C |
| Nominal Cap. Range | 10 to 120F | 1 to 70F | |
| Capacitance tolerance | -20% to +40%(at 25°C) | | |
| Endurance | After 1,000 hours Application of rated DC working voltage at +65/70°C, the capacitor shall meet the following limits. <ul style="list-style-type: none"> • Capacitance change : ≤30% of initial value • Internal resistance change : ≤100% of spec. value | | |
| Projected Cycle Life* | 100,000 Cycles | 500,000 Cycles | |
| | 1 Cycle : Charge-Discharge between V_{rated} and $1/2V_{rated}$ <ul style="list-style-type: none"> • Capacitance change : ≤30% of initial value • Internal resistance change : ≤100% of spec. value | | |
| Shelf life | After 1,000hours storage at +65°C without load, the capacitor shall meet the specified limit for "Endurance" | | |

* Cycle life varies according to the condition of application i.e. charge-discharge condition including current, temperature, voltage range and etc.

| Shape of Standard Product |



| Standard Products and Dimensions (not to scale) |

| Part number | Operating voltage (V) | Capacitance (F) | ESR (Ω , @1kHz) | \varnothing D x L(mm) | F (mm) | |
|--------------|-----------------------|-----------------|-------------------------|-------------------------|--------------------|-----|
| DRL 2R3 106 | 2.3 | 10 | ≤ 0.160 | \varnothing 10x20 | 5.0 | |
| DRL 2R3 226 | | 22 | ≤ 0.080 | \varnothing 10x30 | 5.0 | |
| DRL 2R3 306 | | 30 | ≤ 0.060 | \varnothing 12.5x25 | 5.0 | |
| DRL 2R3 506 | | 50 | ≤ 0.040 | \varnothing 16x25 | 7.5 | |
| DRL 2R3 706 | | 70 | ≤ 0.030 | \varnothing 16x35 | 7.5 | |
| DRL 2R3 127 | | 120 | ≤ 0.025 | \varnothing 18x40 | 7.5 | |
| DR 2R5 105R | | 2.5 | 1 | ≤ 0.300 | \varnothing 8x13 | 3.5 |
| DR 2R5 305R | 3 | | ≤ 0.150 | \varnothing 8x20 | 3.5 | |
| DR 2R5 505R | 5 | | ≤ 0.120 | \varnothing 8x25 | 3.5 | |
| DR 2R5 505S | 5 | | ≤ 0.120 | \varnothing 10x20 | 5.0 | |
| DR 2R5 705L | 7 | | ≤ 0.100 | \varnothing 8x30 | 3.5 | |
| DR 2R5 705R | 7 | | ≤ 0.100 | \varnothing 10x20 | 5.0 | |
| DR 2R5 705D | 7 | | ≤ 0.100 | \varnothing 10x25 | 5.0 | |
| DR 2R5 106R | 10 | | ≤ 0.070 | \varnothing 10x25 | 5.0 | |
| DR 2R5 106RX | 10 | | ≤ 0.070 | \varnothing 10x30 | 5.0 | |
| DR 2R5 106S | 10 | | ≤ 0.070 | \varnothing 12.5x20 | 5.0 | |
| DR 2R5 156R | 15 | | ≤ 0.050 | \varnothing 12.5x25 | 5.0 | |
| DR 2R5 256R | 25 | | ≤ 0.030 | \varnothing 16x25 | 7.5 | |
| DR 2R5 356R | 35 | | ≤ 0.025 | \varnothing 16x35 | 7.5 | |
| DR 2R5 506R | 50 | | ≤ 0.021 | \varnothing 18x40 | 7.5 | |
| DR 2R5 706R | 70 | | ≤ 0.020 | \varnothing 18x40 | 7.5 | |
| DR 2R7 105R | 2.7 | | 1 | ≤ 0.200 | \varnothing 8x13 | 3.5 |
| DR 2R7 305R | | | 3 | ≤ 0.075 | \varnothing 8x20 | 3.5 |
| DR 2R7 505R | | 5 | ≤ 0.060 | \varnothing 8x25 | 3.5 | |
| DR 2R7 505S | | 5 | ≤ 0.060 | \varnothing 10x20 | 5.0 | |
| DR 2R7 705L | | 7 | ≤ 0.050 | \varnothing 8x30 | 3.5 | |
| DR 2R7 705R | | 7 | ≤ 0.050 | \varnothing 10x20 | 5.0 | |
| DR 2R7 705D | | 7 | ≤ 0.050 | \varnothing 10x25 | 5.0 | |
| DR 2R7 106R | | 10 | ≤ 0.035 | \varnothing 10x25 | 5.0 | |
| DR 2R7 106RX | | 10 | ≤ 0.035 | \varnothing 10x30 | 5.0 | |
| DR 2R7 106S | | 10 | ≤ 0.035 | \varnothing 12.5x20 | 5.0 | |
| DR 2R7 156R | | 15 | ≤ 0.030 | \varnothing 12.5x25 | 5.0 | |
| DR 2R7 256R | | 25 | ≤ 0.020 | \varnothing 16x25 | 7.5 | |
| DR 2R7 356R | | 35 | ≤ 0.018 | \varnothing 16x35 | 7.5 | |
| DR 2R7 506R | | 50 | ≤ 0.017 | \varnothing 18x40 | 7.5 | |
| DR 2R7 706R | 70 | ≤ 0.016 | \varnothing 18x40 | 7.5 | | |

Note : It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process