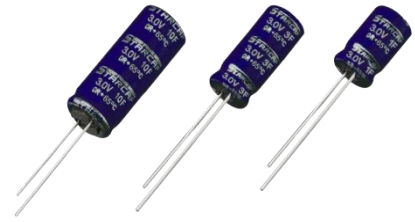


Features |

- Small size but large capacity
- High Working Voltage, Low ESR
- Pb Free and RoHS Compliant

Application |

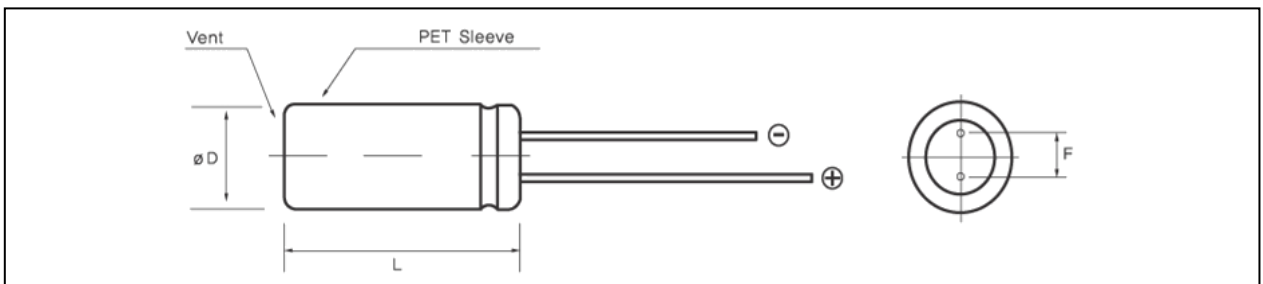
- Automotive (DVR, Black box, etc.)
- Motor drive through quick discharge (e.g. Toy car & plane)
- Smart Grid (Smart energy meters – electricity, water, gas)



Specifications |

| Items | Characteristics |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage | 3.0 VDC |
| Operating temperature | -40 to +65°C |
| Capacitance | 1 to 15F |
| Capacitance tolerance | -20% to +40% (at 25°C) |
| Endurance | After 1,000 hours Application of rated DC working voltage at +65°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 |
| Shelf life | After 1,000 hours Application of rated DC working voltage at +65°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 |

Shape of Standard Product |



Standard Products and Dimensions (not to scale) |

| Part number | Operating voltage (V) | Capacitance (F) | ESR (Ω, @1kHz) | ØD X L(mm) | F (mm) |
|-------------|-----------------------|-----------------|----------------|------------|--------|
| DR 3R0 105 | 3.0 | 1 | ≤ 0.200 | Ø8 X 13 | 3.5 |
| DR 3R0 305 | | 3 | ≤ 0.075 | Ø8 X 20 | 3.5 |
| DR 3R0 505 | | 5 | ≤ 0.060 | Ø10 X 20 | 5.0 |
| DR 3R0 705 | | 7 | ≤ 0.050 | Ø10 X 25 | 5.0 |
| DR 3R0 106 | | 10 | ≤ 0.035 | Ø10 X 30 | 5.0 |
| DR 3R0 156 | | 15 | ≤ 0.030 | Ø12.5 X 25 | 5.0 |

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