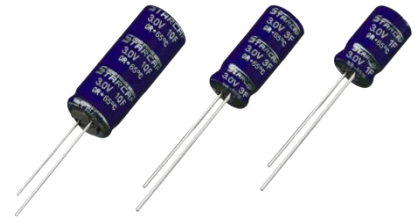


## Features |

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

## Application |

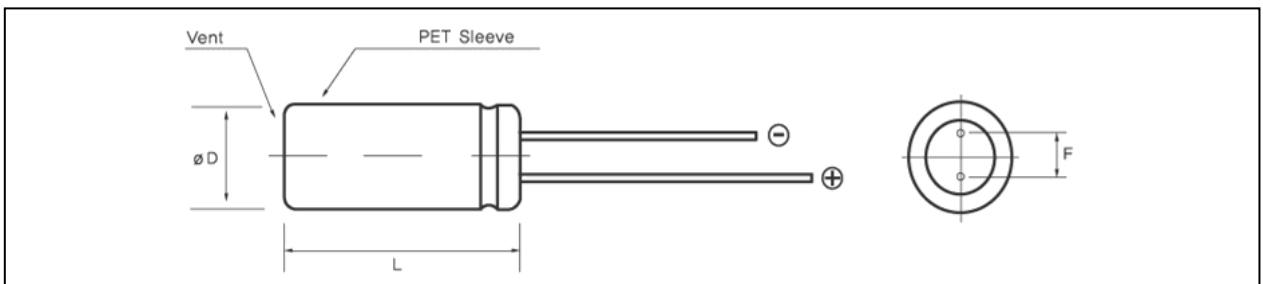
- Automotive (DVR, Black box, etc.)
- Motor drive through quick discharge (e.g. Toy car & plane)
- Smart Grid (Smart energy meters – electricity, water, gas)



## 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"> <li>• Capacitance change : ≤30% of initial value</li> <li>• Internal resistance change : ≤100% of spec. value</li> </ul>
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"> <li>• Capacitance change : ≤30% of initial value</li> <li>• Internal resistance change : ≤100% of spec. value</li> </ul>

## 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**