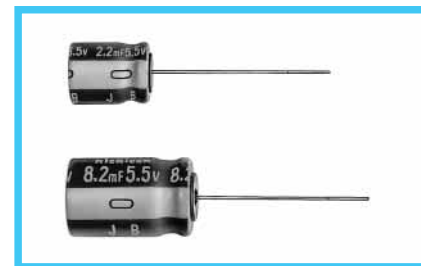




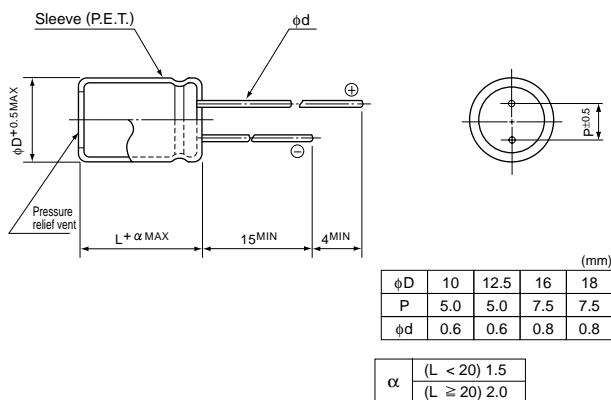
- Developed for memory back-up, with load life of 1000 hours at +85°C.
- Superior to electric double layer type capacitors in the following characteristics:
 - Better voltage maintenance.
 - Speedier charge-up available due to low impedance feature.
 - Wider operating temperature range of -25 ~ +85°C.
- Adapted to the RoHS directive (2002/95/EC).



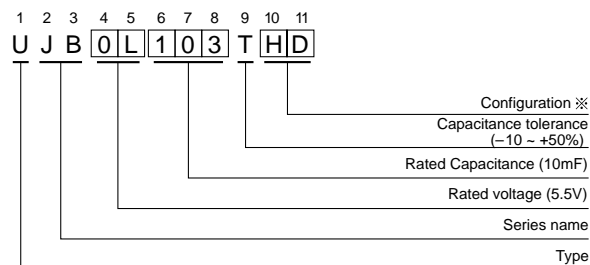
Specifications

Item	Performance Characteristics											
Category Temperature Range	-25 ~ +85°C											
Rated Voltage Range	5.5V											
Rated Capacitance Range	2.2 ~ 47mF See Note 1											
Capacitance Tolerance	-10 ~ +50%											
Leakage Current	C (μA) (C = Rated capacitance value in mF) See Note 2											
Voltage Maintenance	More than 3.5V See Note 3											
Stability at Low Temperature	Capacitance (-25°C) / Capacitance (20°C) × 100 ≥ 70%											
Impedance See Note 4	Capacitance (mF)	2.2	3.3	4.7	8.2	10	18	22	27	33	39	47
	Impedance (Ω)	1.5	1.0	0.6	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1
Endurance	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.											
Shelf Life	After leaving capacitors under no load at 85°C for 500 hours, they meet the requirements for endurance characteristics listed above.											
Marking	Printed with white color letter on black sleeve.											

Radial Lead Type



Type numbering system (Example : 5.5V 10mF)



※ Configuration

ϕD	Pb-free leadwire Pb-free PET sleeve
10	PD
12.5 ~ 18	HD

Note :

1. After charging a capacitor at the rated voltage of 5.5V for an hour, the capacitance is calculated by the following formula, measuring the time of duration, ΔT (Sec.) from 4V down to 3V when constant current discharge at i (mA) = $0.02 \times$ nominal capacitance is carried out.
Capacitance (mF) = $i \times \Delta T$
2. Current value (20°C) after applying the rated voltage of 5.5V for an hour.
3. Voltage value maintained after the capacitor is subjected to 1 hour voltage application at 5V and then left at room temperature (lower than 25°C) for 24 hours.
4. Measuring Frequency : 1kHz (20°C)

Dimensions

Ratings (V—mF)	Case Size $\phi D \times L$ (mm)
5.5—2.2	10 × 12.5
5.5—3.3	10 × 16
5.5—4.7	10 × 20
5.5—8.2	12.5 × 20
5.5—10	12.5 × 25
5.5—18	16 × 25
5.5—22	16 × 31.5
5.5—27	16 × 35.5
5.5—33	18 × 31.5
5.5—39	18 × 35.5
5.5—47	18 × 40