

ALUMINUM ELECTROLYTIC CAPACITORS

型号UJ50-105THD供应信息

捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

JB series Memory Back-Up Use



Anti-Solvent Feature

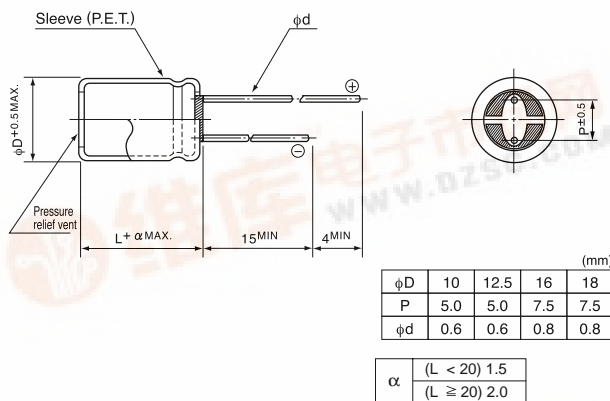
- Developed for memory back-up, with load life of 1000 hours at +85°C.
- Superior to electric double layer type capacitors in the following characteristics:
 - Better voltage maintenance.
 - Speedier charge-up available due to low impedance feature.
 - Wider operating temperature range of -25 ~ +85°C.
- 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 (Ω) MAX. 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.											Capacitance change	Within ±30% of initial value
												Impedance	Within 4 times of initial specified value
												Leakage current	Initial specified value or less
												Voltage maintenance	Satisfies initial specified value
Shelf Life	After storing the capacitors under no load at 85°C for 500 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the requirements for endurance characteristics listed above.												
Marking	Printed with white color letter on black sleeve.												

Radial Lead Type



• Please refer to page 21 about the end seal configuration.

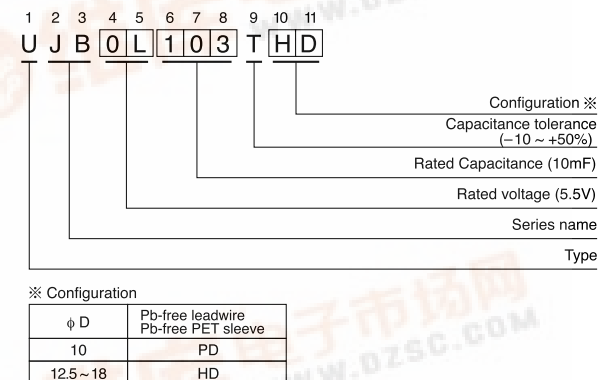
Note :

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 × nominal capacitance is carried out.

$$\text{Capacitance (mF)} = i \times \Delta T$$

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)

Type numbering system (Example : 5.5V 10mF)



Dimensions

Ratings (V—mF)	Code	Case Size φD × L (mm)
5.5—2.2	0L222	10 × 12.5
5.5—3.3	0L332	10 × 16
5.5—4.7	0L472	10 × 20
5.5—8.2	0L822	12.5 × 20
5.5—10	0L103	12.5 × 25
5.5—18	0L183	16 × 25
5.5—22	0L223	16 × 31.5
5.5—27	0L273	16 × 35.5
5.5—33	0L333	18 × 31.5
5.5—39	0L393	18 × 35.5
5.5—47	0L473	18 × 40

Please refer to page 21, 22, 23 about the formed or taped product spec.

