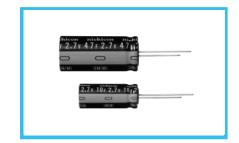
Radial Lead Type, High Voltage

- High voltage type (2.7V).
- Suitable for quick charge and discharge.
- Wide temperature range (− 25 to +70°C).
- Compliant to the RoHS directive (2002/95/EC).

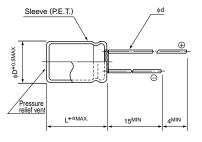




Specifications

Item	Performance Characteristics				
Category Temperature Range	- 25 to +70°C				
Rated Voltage Range	2.7V				
Rated Capacitance Range	0.47 to 47F See Note				
Capacitance Tolerance	±20%, 20°C				
Leakage Current	0.5C (mA) [C : Rated Capacitance(F)] (After 30 minutes' application of rated voltage, 2.7V)				
Stability at Low Temperature	Capacitance (-25°C) / Capacitance (+20°C) ×100 ≥ 70%				
ESR, DCR*	Refer to the list below (20°C). *DC internal resistance				
Endurance	The specifications listed at right shall be met when the capacitors	Capacitance change	Within ±30% of the initial capacitance value		
	are restored to 20°C after the rated voltage is applied for 1000 hours	ESR	300% or less than the initial specified value		
	at 70°C.	Leakage current	Less than or equal to the initial specified value		
	The specifications listed at right shall be met when the capacitors	Capacitance change	Within ±30% of the initial capacitance value		
Shelf Life	are restored to 20°C after storing the capacitors under no load	ESR	300% or less than the initial specified value		
	for 1000 hours at 70°C.	Leakage current	Less than or equal to the initial specified value		
Marking	Printed with white color letter on black sleeve.				

Drawing



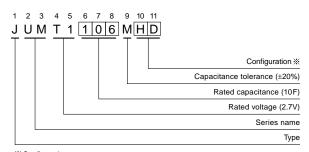


						(mm)
φD	6.3	8	10	12.5	16	18
Р	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.6	0.6	0.6*	0.8	0.8

(\phi D < 10) 1.5 α (¢D ≧10) 2.0

• Please refer to page 20 for end seal configulation.

Type numbering system (Example: 2.7V 10F)



※ Configuration

Pb-free lead finishing Pb-free PET sleeve		
ED		
PD		
HD		

Dimensions

Rated Voltage (Code)	Rated Capacitance (F)	Code	ESR (Ω) (at 1kHz)	DCR* Typical (Ω)	Case size φ D × L (mm)
2.7V (T1)	0.47	474	4	6	6.3×9
	1.0	105	2	3	8×11.5
	2.2	225	2	1.3	8 × 20
	3.3	335	1	1.0	10×20
	4.7	475	0.4	0.6	12.5 × 20
	10	106	0.2	0.25	12.5 × 31.5
	22	226	0.2	0.13	16×31.5
	33	336	0.1	0.08	18×31.5
	47	476	0.1	0.06	18×40

^{*}The listed DCR value is typical and therefore not a guaranteed value.

Note:

The capacitance calculated from discharge time ($\Delta T)$ with constant current (i) after 30minuite charge with rated voltage (2.7V).

The discharge current (i) is $0.01 \times \text{rated capacitance}$ (F).

The discharge time (ΔT) measured between 2V and 1V with constant current.

The capacitance calculated bellow.

Capacitance (F) = $i \times \Delta T$