

ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"

JUA

Radial Lead Type, Lower Resistance

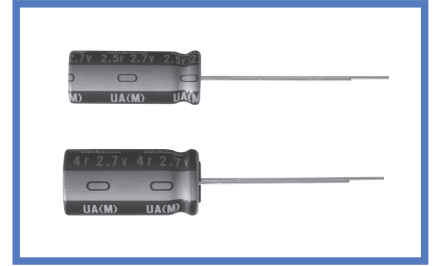
NEW

- 2.7V rated voltage.
- Lower resistance type of JUM, JUK.
- Wide temperature range (-40 to +70°C).
- Load life of 2000hours at 70°C.
- Compliant to the RoHS directive (2011/65/EU).

JUM · JUK



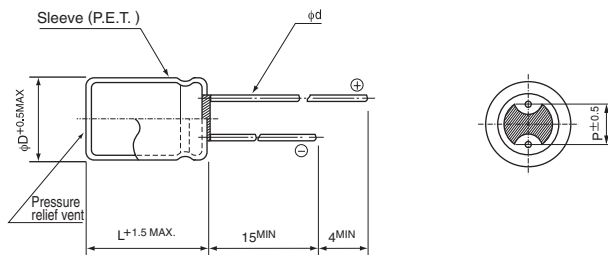
JUA



Specifications

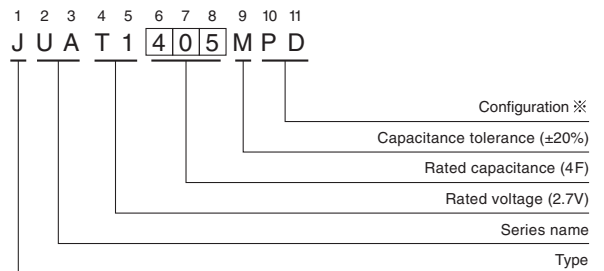
Item	Performance Characteristics		
Category Temperature Range	-40 to +70°C		
Rated Voltage	2.7V		
Rated Capacitance	2.5 to 4.7F See Note		
Capacitance Tolerance	±20%, 20°C		
Stability at Low Temperature	Capacitance (-40°C) / Capacitance (+20°C) × 100 ≥ 70% ESR (-40°C) / ESR (+20°C) ≤ 7		
ESR	Refer to the table below (20°C).		
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 70°C.	Capacitance change	Within ±30% of the initial capacitance value
		ESR	400% or less than the initial specified value
Shelf Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 1000 hours at 70°C.	Capacitance change	Within ±30% of the initial capacitance value
		ESR	400% or less than the initial specified value
Humidity Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 500 hours at 40°C 90%RH.	Capacitance change	Within ±30% of the initial capacitance value
		ESR	300% or less than the initial specified value
Marking	Printed with white color letter on black sleeve.		

Drawing



	(mm)	
φD	8	10
P	3.5	5.0
φd	0.6	0.6

Type numbering system (Example : 2.7V 4F)



※ Configuration

φ D	Pb-free lead finishing Pb-free PET sleeve
8 · 10	PD

Dimensions

Rated Voltage (Code)	Rated Capacitance (F)	Code	Part Number	ESR (Ω) (at 1kHz)	Case size φ D × L (mm)
2.7V (T1)	2.5	255	JUAT1255MPD	0.15	8 × 20
	4	405	JUAT1405MPD	0.10	10 × 20
	4.7	475	JUAT1475MPD	0.15	10 × 20

Note :

The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minute charge with rated voltage (2.7V).

The discharge current (i) is 0.01 × rated capacitance (F).

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

The capacitance calculated bellow.

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

Design, Specifications are subject to change without notice.