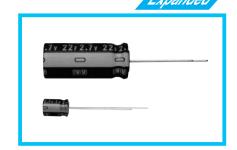
ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"



Radial Lead Type, High Voltage, Smaller-Sized series

- High voltage type (2.7V).
- One rank smaller case sized than UM series.
- Wide temperature range (-25 to +70°C).
- Compliant to the RoHS directive (2011/65/EU).

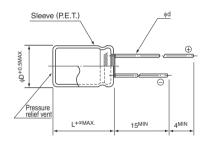




■ Specifications

Item	Performance Characteristics				
Category Temperature Range	- 25 to +70°C				
Rated Voltage	2.7V				
Rated Capacitance Range	1 to 82F 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 table below (20°C). *DC internal resistance				
	The specifications listed at right shall be met when the capacitors	Capacitance change	Within ±30% of the initial capacitance value		
Endurance	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



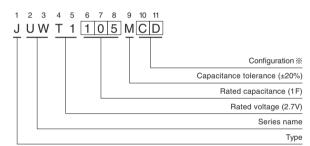


						(mm)		
φD	6.3	8	10	12.5	16	18	α	(φD < 10) 1.
Р	2.5	3.5	5.0	5.0	7.5	7.5		(φD ≥10) 2.
φd	0.5	0.6	0.6*	0.6*	0.8	0.8		

% In case L>25 for the $\phi10$ and $\phi12.5$ dia unit, lead dia $~\phi d{=}0.8$

• Please refer to page 20 about the end seal configuration.

Type numbering system (Example: 2.7V 1F)



※ Configuration

φD	Pb-free lead finishing Pb-free PET sleeve				
6.3	CD				
8 • 10	PD				
12.5 to 18	HD				

Dimensions

Rated Voltage (Code)	Rated Capacitance (F)	Code	ESR (Ω) (at 1kHz)	DCR* Typical (Ω)	Case size φ D × L (mm)	
2.7V	1.0	105	4	4	6.3 × 9	
	1.5	155	3	2.5	8 × 11.5	
	2.7	275	2	1.2	8 × 20	
	3.3	335	2	1.1	10 × 12.5	
	4.7	475	1	0.8	10 × 20	
(T1)	6.8	685	0.8	0.7	12.5 × 20	
(11)	12	126	0.4	0.6	10 × 31.5	
	22	226	0.3	0.4	12.5 × 31.5	
	33	336	0.2	0.28	16 × 31.5	
	47	476	0.2	0.22	18 × 31.5	
	82	826	0.1	0.13	18 × 40	

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

Note:

constant current.

The capacitance calculated from discharge time (ΔT) 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

The capacitance calculated bellow.

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