SHENZHEN CAPSUN ELECTRONIC CO.,LTD.

Tel:+86-755-3367-5265 Fax:+86-755-3367-5266 Free service telephone: +86 400-886-9755 Add: Fuhai Science and Technology Industrial park, Fu Yong Town ,shenzhen City, Guangdong Province , China

UM Series

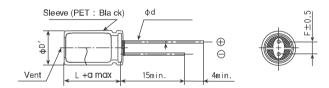
- High voltage type (2.7V)
- Suitable for quick charge and discharge.
- Wide temperature range (25 to +70° C).
- Compliant to the RoHS directive (2002/95/EC).



◆ Main Technology Perfomance

Item	Charac	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℃					
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%					
Endurance	Refer to the table below (20°C). *DC internal resistance					
Shelf Life	The specifications listed at right shall be met when the capacitors are restored to 20℃ after the rated voltage is applied for 1000 hours at 70℃.	Capacitance change ESR Leakage current	Within $\pm 30\%$ of the initial capacitance value 300% or less than the initial specified value Less than or equal to the initial specified value			
Marking	The specifications listed at right shall be met when the capacitorsare restored to 20℃ after storing the capacitors under no load for 1000 hours at 70℃.	Capacitance change ESR Leakage current	Within $\pm 30\%$ of the initial capacitance value 300% or less than the initial specified value Less than or equal to the initial specified value			
ESR, DCR*	Printed with white color letter on black sleeve.					

◆DIMENSIONS[mm]

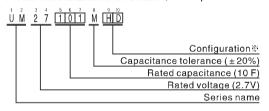


						(mm)
φD	6.3	8	10	12.5	16	18
Р	2.5	3.5	5.0	5.0	7.5	7.5
φD	0.5	0.6	0.6	%0.6	8.0	8.0

_	(ΦD<10)	1.5
a	(ΦD≥10)	2.0

*In case L>25 for the φ 12.5 dia unit, lead dia φ d=0.8

◆ PART NUMBERING SYSTEM (Example: 2.7V 10F)



☆ Configuration

φD	Pb-free lead finishing Pb-free PET sleeve		
6.3	ED		
8.10	PD		
12.5~18	HD		

♦ Dimensions

Rated Voltage (Code)	Rated Capacitance (F)	Code	ESR (Ω) (at 1kHz)	DCR※ Typical (Ω)	Case size φ D × L (mm)
2.7V (T1)	0.47	R47	4	6	6.3×9
	1.0	1R0	2	3	8 × 11.5
	2.2	2R2	2	1.3	8×20
	3.3	3R3	1	1.0	10×20
	4.7	4R7	0.4	0.3	12.5 × 20
	10	101	0.2	0.25	12.5 × 31.5
	22	220	0.2	0.13	16×31.5
	33	330	0.1	0.08	18 × 31.5
	47	470	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 (\triangle T) with constant current (i) after 30minuite charge with rated voltage (2.7V).

The discharge current (i) is 0.01 \times rated capacitance (F). The discharge time (\triangle T) measured between 2V and 1V with constant current.

The capacitance calculated bellow.

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