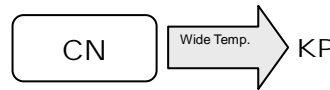


BI-POLARIZED

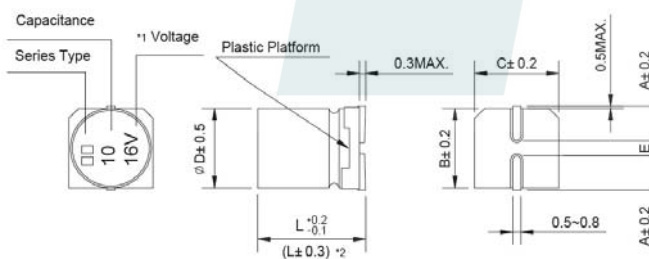
- Bi-polarized with general temperature +85°C
- Load life of 1000 hours



- Comply with the RoHS directive
- RoHS


SPECIFICATIONS

Items	Characteristics					
Operation Temperature Range	-40 ~ +85°C					
Voltage Range	6.3 ~ 50V					
Capacitance Range	0.1 ~ 100μF					
Capacitance Tolerance	±20% at 120Hz, 20°C					
Leakage Current	Leakage current ≦ 0.005CV or 10μA, whichever is greater (after 2 minutes application of rated voltage)					
Dissipation Factor (tan δ)	Measurement frequency : 120Hz, Temperature : 20°C					
	Rated Voltage (V)	6.3	10	16, 25	35, 50	
	tan δ (max.)	0.24	0.20	0.17	0.15	
Stability at Low Temperature	Measurement frequency : 120Hz					
	Rated Voltage (V)	6.3	10	16, 25	35, 50	
	Impedance Ratio ZT/Z20 (max.)	Z(-25°C) / Z(20°C)	4	3	2	2
		Z(-40°C) / Z(20°C)	8	6	4	3
Load Life	After 1000 hours application of the rated voltage at 85°C (the polarity needs to exchange every 250 hours), they meet the characteristics listed below.					
	Capacitance Change	Within ±20% of initial value				
	Dissipation Factor	200% or less of initial specified value				
	Leakage Current	initial specified value or less				
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for load life characteristics listed above.					
	After reflow soldering and restored at room temperature, they meet the characteristics listed below.					
Resistance to Soldering Heat	Capacitance Change	Within ±10% of initial value				
	Dissipation Factor	initial specified value or less				
	Leakage Current	initial specified value or less				
Marking	Black print on the case top.					

DRAWING (Unit: mm)


- *1. Voltage mark for 6.3V is [6V]
 *2. Applicable to Ø6.3x7.7

DIMENSIONS (Unit: mm)

ØD x L	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E ± 0.2	1.0	1.3	2.2	2.2
L	5.4	5.4	5.4	7.7

NOTE: All designs and specifications are for reference only and are subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.



□ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV Code	6.3		10		16		25		35		50	
		0J		1A		1C		1E		1V		1H	
0.1	0R1											4 × 5.4	1.0
0.22	R22											4 × 5.4	2.0
0.33	R33											4 × 5.4	2.8
0.47	R47											4 × 5.4	4.0
1	010											4 × 5.4	8.4
2.2	2R2									4 × 5.4	8.4	5 × 5.4	13
3.3	3R3							5 × 5.4	12	5 × 5.4	16	5 × 5.4	17
4.7	4R7					4 × 5.4	12	5 × 5.4	16	5 × 5.4	18	6.3 × 5.4	20
10	100			4 × 5.4	17	5 × 5.4	23	6.3 × 5.4	27	6.3 × 5.4	29	6.3 × 7.7	36
22	220	5 × 5.4	28	6.3 × 5.4	33	6.3 × 5.4	37	6.3 × 7.7	50	6.3 × 7.7	54		
33	330	6.3 × 5.4	37	6.3 × 5.4	41	6.3 × 5.4	49	6.3 × 7.7	61				
47	470	6.3 × 5.4	45	6.3 × 7.7	61	6.3 × 7.7	75						
100	101	6.3 × 7.7	82	6.3 × 7.7	85							Case size	Ripple current

•Case size ∅D×L(mm), ripple current (mA rms) at 85°C 120Hz

□ FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 11.
- Please refer to page 12 for the minimum package quantity.

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