

Features

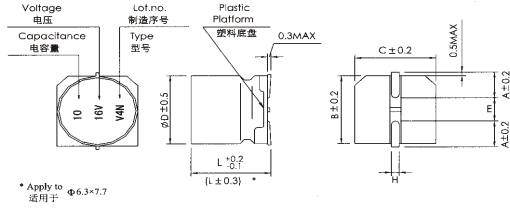
- Bi-polarized.
- Reflow soldering is available.
- Available for high density surface mounting.



Specifications

Item	Characteristics						
Operating temperature range	-40~+85°C						
Rated voltage range	6.3V~50V						
Nominal Capacitance Range	0.1-100uF						
Nominal Capacitance Tolerance	±20% (20°C,120Hz)						
Leakage Current	1≤0.05C _R V _R or 10(uA)Whichever is greater(After 2 minutes' application of rated voltage) C _R :Nominal Capacitance(uF) U _R :Rated voltages (V)						
Dissipation Factor(Max) 20°C,120Hz	UR(V)	6.3	10	16	25	35	50
	tg δ	0.28	0.24	0.16	0.14	0.12	0.12
Load Life	After 1000 hours' application of rated voltage at 85°C,with the polarity inverted every 250 hours,the capacitor shall meet the following requirement.						
	Capacitance Change	Within ±20% of the initial value					
	Dissipation Factor	Not more than 200% of the initial specified value					
	Leakage Current	Not more than the initial specified value					
Shelf Life	After storage for 1000 hours +85°C,U _R to be applied for 30 minutes,the capacitors shall meet the requirement of load life above						
Low Temperature Stability Impedance Ratio(120Hz)	UR(V)	6.3	10	16	25	35	50
	Z(-25°C) /Z(+20°C)	4	3	2	2	2	2
	Z(-40°C) /Z(+20°C)	8	6	4	4	3	3
Resistance to Soldering Heat	After reflow soldering according to Reflow Soldering Temperature ,Profile(see page8)and restored at room temperature, they meet the following requirement.						
	Capacitance Change	Within ±10% of the initial value					
	Dissipation Factor	Not more than the initial specified value					
	Leakage Current	Not more than the initial specified value					

Dimensions



	4×5.4	5×5.4	6.3×5.4	6.3×7.7
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	1.0	1.3	2.2	2.2
L	5.4	5.4	5.4	7.7
H	0.5-0.8			

Nominal capacitance, rated voltage, rated ripple current and case size table

V uF	6.3		10		16		25		35		50	
	D×L mm	I~ mA	D×L mm	I~ mA	D×L mm	I~ mA	D×L mm	I~ mA	D×L mm	I~ mA	D×L mm	I~ mA
0.1											4×5.4	1.0
0.22											4×5.4	2.0
0.33											4×5.4	2.8
0.47											4×5.4	4.0
1.0											4×5.4	8.4
2.2									4×5.4	8.4	5×5.4	13
3.3							5×5.4	12	5×5.4	16	5×5.4	17
4.7					4×5.4	12	5×5.4	16	5×5.4	18	6.3×5.4	20
10			4×5.4	17	6.3×5.4	23	6.3×5.4	27	6.3×5.4	29	6.3×7.7	36
22	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	6.3×5.4	37	6.3×5.4	41	6.3×5.4	49	6.3×7.7	61				
47	6.3×5.4	45	6.3×7.7	61	6.3×7.7	75						
100	6.3×7.7	82										

Frequency coefficient of ripple current

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