

Features

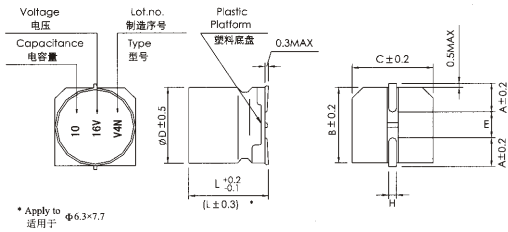
- Low impedance.
- Reflow soldering is available.
- Available for high density surface mounting.
- Operating over wide temperature range (-55°C~+105°C)



Specifications

Item	Characteristics					
Operating temperature range	-55~+105°C					
Rated voltage range	6.3V~35V					
Nominal Capacitance Range	1-220uF					
Nominal Capacitance Tolerance	±20% (20°C,120Hz)					
Leakage Current	1≤0.01C _R V _R or 3(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	U _R (V)	6.3	10	16	25	35
	tg δ	0.22	0.19	0.16	0.14	0.12
Load Life	After 1000 hours' application of rated voltage at 105°C,with the polarity inverted every 250 hours,the capacitor shall meet the following requirement.					
	Capacitance Change Within ±20% of the initial value (≤16V:within ±25 of the inital value)					
	Dissipation Factor	Not more than 300% of the initial specified value				
	Leakage Cument	Not more than the initial specified value				
Shelf Life	After storage for 1000 hours +105°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)	U _R (V)	6.3	10	16	25	50
	Z(-25°C) /Z(+20°C)	2	2	2	2	2
	Z(-40°C) /Z(+20°C)	4	4	3	3	3
Resistance to Soldering Heat	After reflow soldering according to Reflow Soldering Temperature ,Profile(see page8) and restored at room remperature, they meet the folowing 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	6.3			10			16			25			35		
	D×L mm	impedance Ω	I~ mA	D×L mm	impedance Ω	I~ mA	D×L mm	impedance Ω	I~ mA	D×L mm	impedance Ω	I~ mA	D×L mm	impedance Ω	I~ mA
1.0													4×5.4	5.0	50
1.5													4×5.4	5.0	50
2.2													4×5.4	5.0	50
3.3													4×5.4	5.0	50
4.7										4×5.4	5.0	50	4×5.4	5.0	50
6.8										4×5.4	5.0	80	5×5.4	2.6	80
10							4×5.4	5.0	50	5×5.4	2.6	80	5×5.4	2.6	80
15							5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115
22	4×5.4	5.0	50	5×5.4	2.6	80	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115
33	5×5.4	2.6	80	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150
47	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150
68	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150			
100	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150						
150	6.3×7.7	0.8	150	6.3×7.7	0.8	150									
220	6.3×7.7	0.8	150												

Frequency coefficient of ripple current

Frequency	50Hz	120Hz	300Hz	1KHz	$\geq 10\text{KHz}$
Coefficient	0.64	0.50	0.64	0.85	1.00