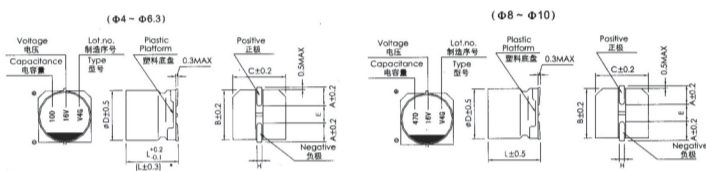


Features

- Case diameter: $\varnothing 4\text{mm}-\varnothing 10\text{mm}$;
- Reflow soldering is available.
- Available for high density surface mounting.

Specifications

Item	Characteristics									
Operating temperature range	-40~+85℃									
Rated voltage range	4V~100V									
Nominal Capacitance Range	0.1-1500uF									
Nominal Capacitance Tolerance	±20% (20℃, 120Hz)									
Leakage Current	1≤0.01C×V _r or 3(uA) Whichever is greater (After 2 minutes' application of rated voltage) C _r : Nominal Capacitance (uF) V _r : Rated voltages (V)									
Dissipation Factor(Max) 20℃, 120Hz	UR(V)	4	6.3	10	16	25	35	50	63	100
	tg δ	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10
Load Life	After 1000 hours' application of rated voltage at 85℃, the capacitor shall meet the following requirement.									
	Capacitance Change	Within ±20% of the initial value (≤16V: within ±25 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 500 hours +85℃, the capacitors shall meet the requirement of load life above									
Low Temperature Stability Impedance Ratio(120Hz)	UR(V)									
	Z(-25℃) /Z(+20℃)	4	6.3	10	16	25	35	50	63	100
		7	4	3	2	2	2	2	2	2
	Z(-40℃) /Z(+20℃)	8	5	4	3	2	2	2	2	2
15		8	8	4	4	3	3	3	3	
Resistance to Soldering Heat	After reflow soldering according to Reflow Soldering Temperature Profile (see page 8) 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	8×10.5	10×10.5
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.4	5.4	5.4	7.7	10.5	10.5
H	0.5-0.8			0.8-1.1		

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

V uF	4		6.3		10		16		25		35		50		63		100		
	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	D×L mm	I~ mA	D×L mm	I~ mA	D×L mm	I~ mA	
0.1													4×5.4	1.0	4×5.4	1.0			
0.22													4×5.4	2.0	4×5.4	2.3			
0.33													4×5.4	2.8	4×5.4	3.5			
0.47													4×5.4	4.0	4×5.4	5.0			
1.0													4×5.4	8.4	4×5.4	10			
2.2													4×5.4	13	4×5.4	15			
3.3													4×5.4	17	4×5.4	20	6.3×7.7	28	
4.7							4×5.4	23	4×5.4	16	4×5.4	18	4×5.4	18	4×5.4	23	6.3×7.7	35	
													5×5.4	20					
10													5×5.4	29	6.3×5.4	33			
			4×5.4	28	4×5.4	30	4×5.4	30	5×5.4	38	5×5.4	39	6.3×5.4	43	6.3×7.7	70	8×10.5	120	
					5×5.4	33	5×5.4	37	6.3×5.4	42	6.3×5.4	46							
33	4×5.4	28	4×5.4	34	4×5.4	34	5×5.4	44	5×5.4	46	6.3×5.4	53	6.3×7.7	85	8×10.5	160	10×10.5	190	
			5×5.4	37	5×5.4	41	6.3×5.4	49	6.3×5.4	52									
47	4×5.4	33	4×5.4	40	5×5.4	47	5×5.4	52	6.3×5.4	60	6.3×7.7	70	6.3×7.7	90	8×10.5	170			
			5×5.4	45	6.3×5.4	52	6.3×5.4	58					8×10.5	140					
56	5×5.4	42	5×5.4	46	5×5.4	50	5×5.4	57	6.3×7.7	65	6.3×7.7	80	8×10.5	150	8×10.5	230			
			6.3×5.4	52	6.3×5.4	57	6.3×5.4	63											
100	5×5.4	56	5×5.4	47	5×5.4	54	6.3×5.4	86	6.3×7.7	130	6.3×7.7	120	8×10.5	181	8×10.5	280			
			6.3×5.4	70	6.3×5.4	76					8×10.5	175	10×10.5	195					
150	6.3×5.4	79	6.3×5.4	71	6.3×7.7	76	6.3×7.7	135	8×10.5	192	8×10.5	214	10×10.5	238					
220	6.3×5.4	96	6.3×7.7	95	6.3×7.7	150	6.3×7.7	150	8×10.5	232	8×10.5	246	10×10.5	289					
						8×10.5	215	10×10.5	250	10×10.5	265								
330	6.3×7.7	152	6.3×7.7	150	8×10.5	240	8×10.5	270	8×10.5	284	10×10.5	324							
								10×10.5	305										
470	6.3×7.7	200	8×10.5	265	8×10.5	290	8×10.5	307	10×10.5	393									
							10×10.5	330											
680	8×10.5	284	8×10.5	318	10×10.5	374	10×10.5	396											
1000	8×10.5	344	8×10.5	372	10×10.5	374													
			10×10.5	400		454													
1500	10×10.5	347	10×10.5	489															

Frequency coefficient of ripple current

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