

Features

- 4~16 φ, 105°C, 2,000 hours assured.
- Designed for surface mounting on high density PC board.
- RoHS Compliance



SPECIFICATIONS

Items	Performance												
Operating Temperature Range	-40°C ~ +105°C												
Capacitance Tolerance	±20% (at 120Hz, 20°C)												
Leakage Current (at 20°C)	6.3 ~ 100V	4 ~ 10 φ		I = 0.01CV or 3μA, whichever is greater, after 2minutes at +20°C									
		12.5 ~ 16 φ		I = 0.03CV or 4μA, whichever is greater, after 2minutes at +20°C									
	160 ~ 450V		12.5 ~ 16 φ		I = 0.04CV + 100μA after 5minutes at +20°C								
Where I=leakage current C= rated capacitance in μF. V = rated DC working voltage in V.													
Dissipation Factor (Tan δ at 120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50	63	100	160 ~ -250	400 ~ 450		
	4 ~ 10 φ	0.45	0.35	0.28	0.18	0.16	0.14	0.12	0.12	-	-		
	12.5 ~ 16 φ	0.40	0.38	0.34	0.26	0.22	0.18	0.14	0.10	0.20	0.25		
When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase.													
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.												
	Rated Voltage		6.3	10	16	25	35	50	63	100	160 ~ 250	400 ~ 450	
	Impedance Ratio	Z(-25°C) / Z(+20°C)	4 ~ 10 φ	4	3	2	2	2	2	2	3	-	-
		Z(-40°C) / Z(+20°C)	4 ~ 10 φ	12	8	6	4	3	3	3	4	-	-
		12.5 ~ 16 φ	10	8	6	4	3	3	3	6	10		
Load Life Test	Test Time	2,000 Hrs											
	Capacitance Change	4 ~ 6.3 φ : Within ±25% of initial value 8 ~ 16 φ : Within ±20% of initial value											
	Dissipation Factor	Less than 200% of specified value											
	Leakage Current	Within specified value											
* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 105°C.													
Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test.												
Other Standards	JIS C 5101-1, -18												

DIAGRAM OF DIMENSIONS

Fig. 1

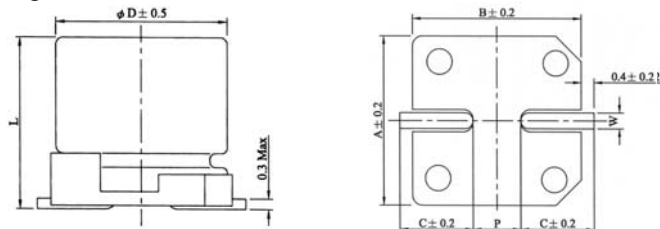
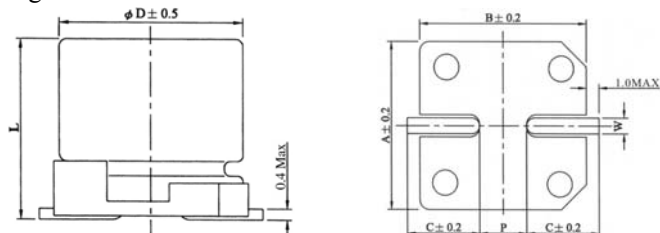


Fig. 2



LEAD SPACING AND DIAMETER

Unit: mm

φ D	L	A	B	C	W	P±0.2	Fig. No.
4	5.7±0.3	4.3	4.3	2.0	0.5 to 0.8	1.0	1
5	5.7±0.3	5.3	5.3	2.3	0.5 to 0.8	1.5	1
6.3	5.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
8	10.3±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
10	10.3±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
12.5	13.5±0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
12.5	16±0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
16	16.5±0.5	16.3	16.3	5.8	1.1 to 1.4	6.0	2

