

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)	Rated voltage	6.3 ~ 100V										
	Time	after 2 minutes										
	Case size	4 ~ 10 ϕ 12.5 ~ 16 ϕ 12.5 ~ 16 ϕ										
	Leakage Current	I = 0.01CV or 3 μ A, whichever is greater I = 0.03CV or 4 μ A, whichever is greater I = 0.04CV + 100 μ A										
Where, C = rated capacitance in μ F 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 - -										
When the capacitance exceeds 1,000 μ F, 0.02 shall be added every 1,000 μ F 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)	ϕ D < 12.5	4	4	3	2	2	2	2	3	-
		ϕ D \geq 12.5	5	4	3	2	2	2	2	2	3	6
Z(-40°C) / Z(+20°C)	ϕ D < 12.5	12	8	6	4	3	3	3	4	-	-	
	ϕ D \geq 12.5	10	8	6	4	3	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. The rated voltage shall be applied to the capacitors before the measurements for 160 ~ 450V (Refer to JIS C 5101-4 4.1).											

DIAGRAM OF DIMENSIONS

Fig. 1

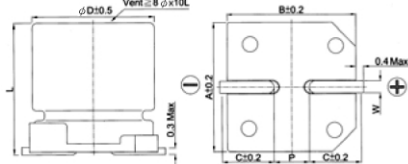
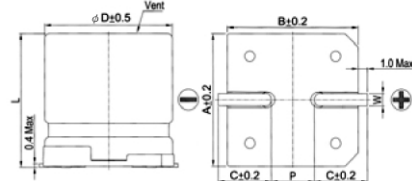


Fig. 2



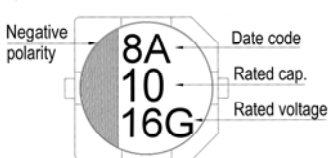
LEAD SPACING AND DIAMETER

Unit: mm

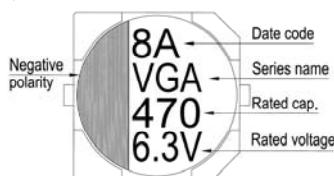
ϕ D	L	A	B	C	W	P±0.2	Fig. No.
4	5.7 ± 0.3	4.3	4.3	2.0	0.5 ~ 0.8	1.0	1
5	5.7 ± 0.3	5.3	5.3	2.3	0.5 ~ 0.8	1.5	1
6.3	5.7 ± 0.3	6.6	6.6	2.7	0.5 ~ 0.8	2.0	1
6.3	7.7 ± 0.3	6.6	6.6	2.7	0.5 ~ 0.8	2.0	1
8	10 ± 0.5	8.4	8.4	3.0	0.7 ~ 1.1	3.1	1
10	10 ± 0.5	10.4	10.4	3.3	0.7 ~ 1.1	4.7	1
10	10.3 ± 0.5	10.4	10.4	3.3	0.7 ~ 1.1	4.7	1
12.5	13.5 ± 0.5	13.0	13.0	4.8	1.1 ~ 1.4	4.4	2
12.5	16 ± 0.5	13.0	13.0	4.8	1.1 ~ 1.4	4.4	2
16	16.5 ± 0.5	17.0	17.0	5.8	1.1 ~ 1.4	6.4	2

MARKING

ϕ D \leq 6.3mm



ϕ D = 8 ~ 10 mm



ϕ D \geq 12.5mm

