Features

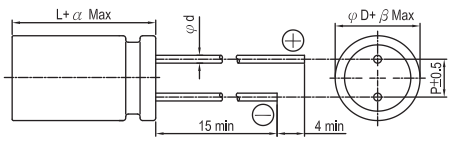
- 105℃, 2000 hours assured
- Ultra low ESR with large permissible ripple current
- RoHS Compliance

SPECIFICATIONS

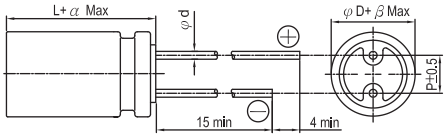
Items	Performance
Operating Temperature Range	-55℃ ~+105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	Rated voltage applied, after 2 minutes at 20℃. See the Dimension & Permissible Ripple current
Dissipation Factor (Tan δ at 120Hz, 20℃)	See the Dimension & Permissible Ripple current
ESR (at 100K ~ 300K Hz, 20℃)	See the Dimension & Permissible Ripple current
Load Life Test	Test Time: 2,000 Hrs Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 150% of specified value ESR: Less than 150% of specified value Leakage Current: Within specified value * The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied for 2000 hours at 105℃.
Moisture Resistance	Test Time: 1,000 Hrs Capacitance Change: Within ±20%of initial value Dissipation Factor: Less than 150% of specified value ESR: Less than 150% of specified value Leakage Current: Within specified value * The above specifications shall be satisfied when the capacitors are restored to 20℃ after subjecting them at 60℃, 90 to 95% RH for 1,000 hours. Leakage current should be tested after voltage treatment.
Ripple Current & Frequency Multipliers	Frequency (Hz): 120 ≦ f < 1K | 1K ≦ f < 10K | 10K ≦ f < 100K | 100K ≦ f < 500K Multiplier: 0.05 | 0.3 | 0.7 | 1.0

DIAGRAM OF DIMENSIONS

6.3 ϕ ×8L and 8 ϕ ×8L



8 ϕ ×12L and 10 ϕ ×12.5L



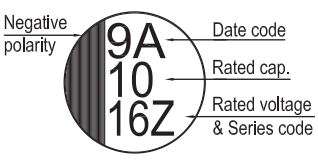
Unit: mm

LEAD SPACING AND DIAMETER

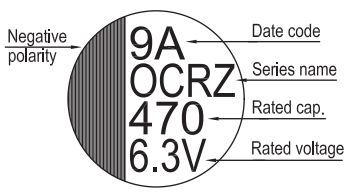
ϕD	6.3	8	8	10
L	8	8	12	12.5
P	2.5	3.5	3.5	5.0
ϕd	0.6			
α	1.0			1.5
β	0.5			

MARKING

ϕD = 6.3



ϕD = 8 ~ 10



DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Dimension: φD×L(mm)
Ripple Current: mA/rms at 100KHz, 105℃

W. V. (V)	Capacitance (μF)	Size φD×L(mm)	Tan δ (120Hz, 20℃)	LC (μA)	E S R (mΩ/at 100K ~ 300K Hz, 20℃ Max)	Rated R. C. (mA/rms at 100KHz, 105℃)
2.5 (0E)	330	6.3×8	0.10	500	7	5,000
	560	6.3×8	0.10	500	7	5,000
	820	6.3×8	0.10	500	7	5,000
	470	8×8	0.10	235	7	5,000
	560	8×8	0.12	280	7	5,000
	820	8×8	0.10	410	7	6,200
		8×12	0.12	410	7	6,200
	1,000	8×12	0.12	500	7	6,200
		8×8	0.12	500	7	6,200
		10×12.5	0.12	500	7	6,200
	1,200	8×8	0.12	600	7	6,200
	1,500	10×12.5	0.12	750	7	6,500
	2,700	10×12.5	0.12	1,350	7	7,200
4 (0G)	560	6.3×8	0.10	500	7	5,000
		8×8	0.10	448	7	6,200
		8×12	0.12	448	7	6,200
	820	8×8	0.10	656	7	6,200
	1,000	8×8	0.10	800	7	6,200
	1,200	8×12	0.12	960	7	6,200
		10×12.5	0.12	960	7	6,200
	1,500	10×12.5	0.12	1,200	7	6,500
	2,200	10×12.5	0.12	1,760	8	7,200
6.3 (0J)	220	8×8	0.10	277	10	5,000
	470	6.3×8	0.10	592	8	4,700
		8×12	0.12	592	7	6,200
		8×8	0.12	592	7	6,200
	560	6.3×8	0.10	706	8	4,700
		8×8	0.10	706	7	6,200
		8×12	0.12	706	7	6,200
	820	8×8	0.10	1,033	7	6,200
		8×12	0.10	1,033	8	5,500
		10×12.5	0.12	1,033	7	6,200
	1,000	8×12	0.12	1,260	8	5,500
	1,500	10×12.5	0.12	1,890	7	6,200
10 (1A)	390	8×12	0.12	780	8	5,000
	470	10×12.5	0.12	940	8	6,000
	560	10×12.5	0.12	1,120	8	6,000
	820	10×12.5	0.12	1,640	8	6,000
16 (1C)	100	6.3×8	0.10	500	10	4,500
	180	8×8	0.10	576	10	5,000
	270	8×12	0.12	864	8	5,000
	330	10×12.5	0.12	1,056	8	6,000
	470	8×12	0.12	1,504	10	5,400
		10×12.5	0.12	1,504	8	6,000