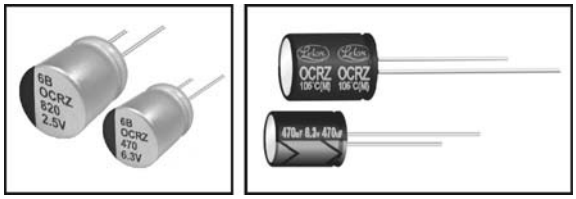
Organic Conductive Polymer Al. E. Capacitors OCRZ

04 Type

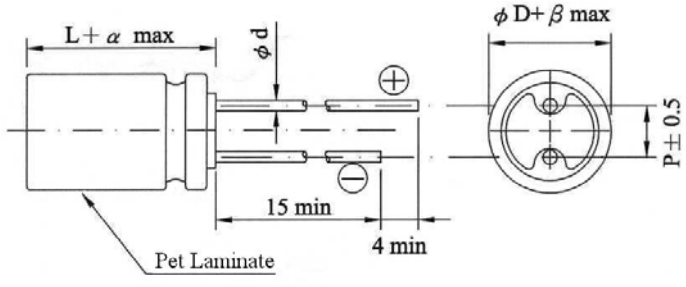
- 105℃, 2000 hours assured
- Ultra low E.S.R. with large permissible ripple current
- RoHS Compliance



SPECIFICATIONS

Items	Performance
Operating Temperature Range	-55℃ ~ +105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	Less than 0.2CV(μA) after 2min, Where, C= rated capacitance in μF. V = rated DC working voltage in V.
Dissipation Factor(at 120Hz, 20℃)	Less or equal to the value at Dimension & Permissible Ripple Current
E.S.R. (100K-300KHz, mΩ, 20℃ MAX)	Less or equal to the value at Dimension & Permissible Ripple Current
Load Life Test	Test Time: 2,000 hours Capacitance Change: Within ±20%of initial value Dissipation Factor: Less than 150% of specified value E.S.R.: 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 2,000 hrs at 125℃.
Moisture Resistance	Store at 60℃, 90 to 95% R.H. Test time: 1,000 hrs, other items are the same as those for the load life test. Test Time: 1,000 hrs Capacitance Change: Within ±20%of initial value Dissipation Factor: Less than 150% of specified value E.S.R.: Less than 150% of specified value Leakage Current: Within specified value * Leakage current should be tested after voltage treatment.
Standards	JIS C 5101-1

DIAGRAM OF DIMENSIONS



Unit: mm

LEAD SPACING AND DIAMETER

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

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DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

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

W.V. (V)	Capacitance (μF)	Size φ D×L(mm)	Tan δ (120Hz, 20℃)	L.C. (μA)	E.S.R. (mΩ/at 100K~300K Hz, 20℃ MAX)	Rated R.C. (mA/rms at 100KHz, 105℃)
2.5 (0E)	470	8×8	0.10	235	9	5,000
	560	8×8	0.12	280	8	5,000
	820	8×8	0.10	410	7	6,200
		8×12	0.12	410	7	6,200
	1,000	8×8	0.12	500	7	6,200
	1,500	10×12.5	0.12	750	7	6,500
	2700	10×12.5	0.12	1,350	7	7,200
4 (0G)	560	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	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	8×12	0.12	592	7	6,200
		8×8	0.12	592	7	6,200
	560	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
	1,500	10*12	0.12	1,890	7	6,200
10 (1A)	470	10×12.5	0.12	940	8	6,000
	560	10×12.5	0.12	1,120	8	6,000
16 (1C)	270	8×12	0.12	864	8	5,,000
	330	10×12.5	0.12	1,056	8	6,000
	470	10×12.5	0.12	1,504	8	6,000

FREQUENCY COEFFICIENT FOR RIPPLE CURRENT

Frequency (Hz)	120 ≦ f < 1K	1K ≦ f < 10K	10K ≦ f < 100K	100K ≦ f < 500K
Coefficient	0.05	0.3	0.7	1