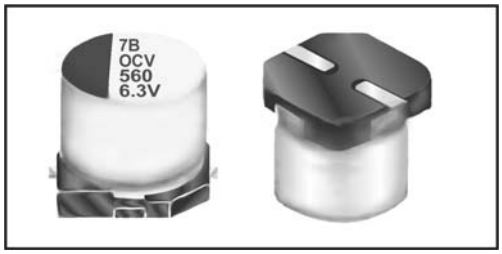
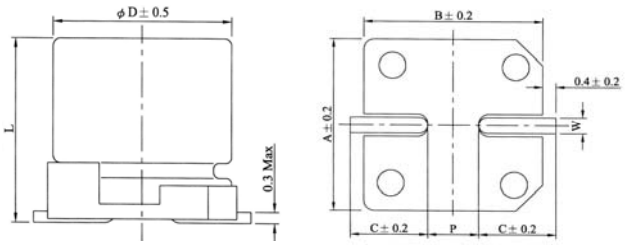
Features
- 105℃, 2,000 hours assured
- Ultra low E.S.R, solid capacitors of SMD type
- RoHS Compliance



SPECIFICATIONS

Items	Performance
Operating Temperature Range	-55℃ ~ +105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	Leakage current is not more than 0.2 CV (μA, after 2 minutes) Where, C= rated capacitance in μF. V = rated DC working voltage in V.
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 2,000 hrs at 105℃.
Moisture Resistance	Test Time: 1,000 hrs Capacitance Change: Within ±20% of initial value Dissipation Factor: 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 to the DC rated voltage at 60℃, 90 to 95% RH for 1,000 hours. Leakage current should be tested after voltage treatment.
Standards	JIS C 5101-1

DIAGRAM OF DIMENSIONS



LEAD SPACING AND DIAMETER Unit: mm

φD	L	A	B	C	W	P±0.2
6.3	6.0±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0
6.3	7.0±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0
8	7.0±0.2	8.4	8.4	3.0	0.7 to 1.1	2.3
8	12.0±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1
10	10.0±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7
10	13.0±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7

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℃)
2.5V (0E)	220	6.3×6	0.12	110	25	2,500
	560	8×7	0.12	280	23	3,100
	680	8×12	0.18	340	12	4,770
	1,200	10×10	0.18	750	13	5,200
	1,500	10×13	0.18	500	10	5,500
4V (0G)	150	6.3×6	0.12	120	26	2,450
	220	8×7	0.12	176	25	3,020
	330	8×7	0.12	264	25	3,020
	560	8×12	0.18	448	12	4,770
	820	10×10	0.18	656	13	5,200
	1200	10×13	0.18	960	10	5,500
6.3V (0J)	82	6.3×6	0.12	103	27	2,400
	100	6.3×6	0.12	126	27	2,400
	120	6.3×7	0.12	151	30	2,010
	150	6.3×7	0.12	189	30	2,250
		8×7	0.12	189	25	3,020
	220	6.3×7	0.12	277	45	2,320
		8×7	0.12	277	25	3,020
	470	8×12	0.15	592	12	4,770
	560	10×10	0.15	706	16	4,700
	820	10×13	0.15	1,033	10	5,500
10V (1A)	56	6.3×6	0.10	112	31	2,250
	150	8×7	0.10	300	27	2,800
	330	8×12	0.15	660	14	4,420
	470	10×10	0.15	940	18	4,400
	560	10×13	0.15	1,120	12	5,300
16V (1C)	47	6.3×6	0.10	150	50	1,650
	82	8×7	0.10	262	30	2,700
	180	8×12	0.15	576	16	4,360
	220	10×10	0.15	704	20	4,200
	330	10×13	0.15	1,056	14	5,050
20V (1D)	22	6.3×6	0.10	88	50	1,650
	47	8×7	0.10	188	45	2,000
	100	8×12	0.15	400	24	3,320
		10×10	0.15	400	25	3,700
	150	10×13	0.15	608	20	4,320
25V (1E)	6.8	6.3×6	0.10	170	80	1,200
	33	8×12	0.12	413	30	2,980
	56	10×13	0.12	700	28	3,800

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