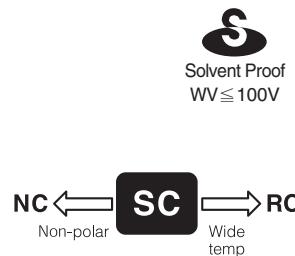


SC

Chip type, Standard Series

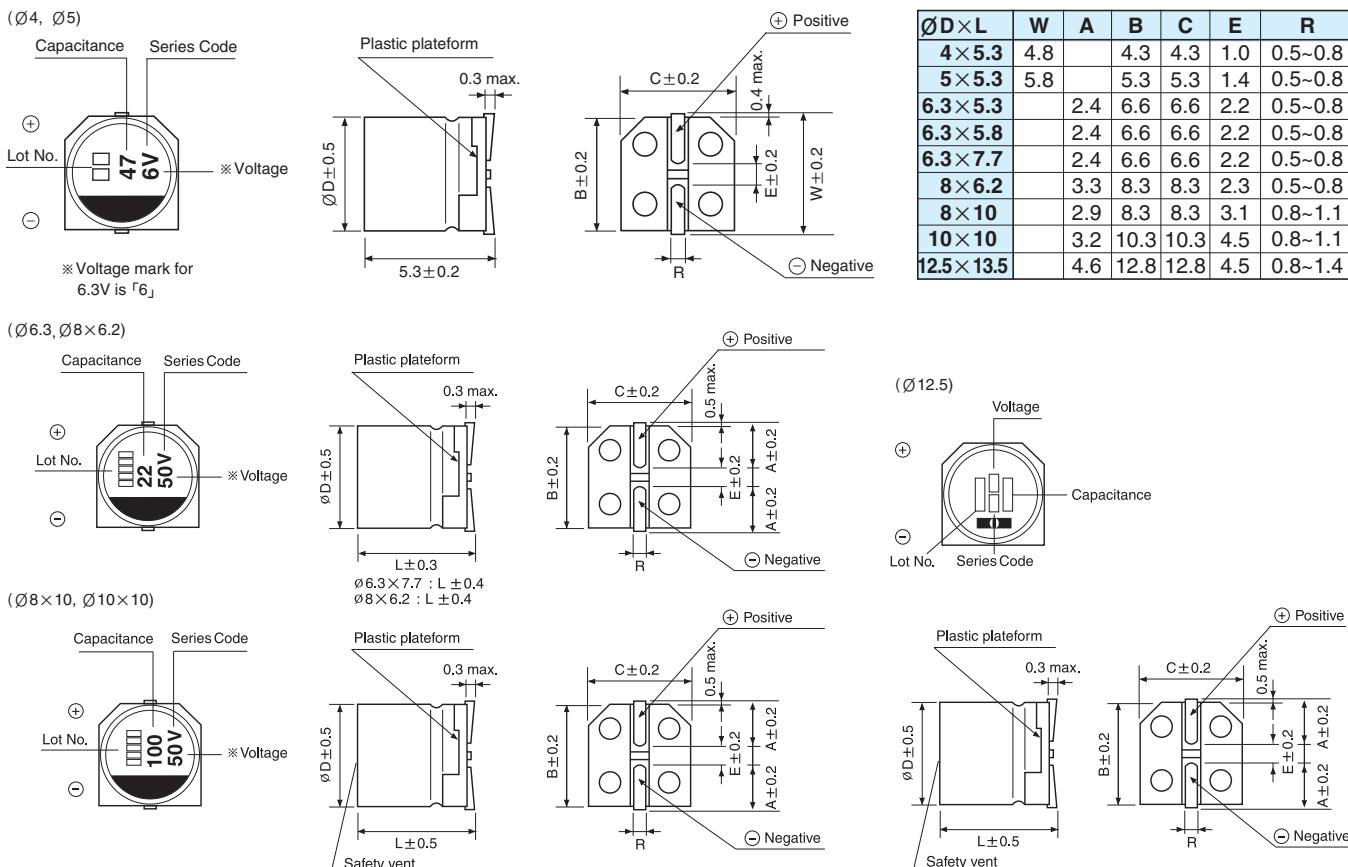
- Chip type higher capacitance in larger case sizes
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape
- Complied to the RoHS directive



Item	Characteristics																								
Operating temperature range	-40 ~ +85°C																								
Leakage current max.	WV≤100 I = 0.01CV or 3μA whichever is greater (after 2 minutes) WV≥160 I = 0.04CV + 100μA(after 1 minutes)																								
Capacitance tolerance	±20% at 120Hz, 20°C																								
Dissipation factor max. (at 120Hz, 20°C)	WV	4	6.3	10	16	25	35	50	63	100	160	200	250	400	450										
	tanδ	0.40	0.35	0.24	0.20	0.16	0.15	0.12	0.12	0.12	0.20	0.20	0.20	0.25	0.25										
Low temperature characteristics (Impedance ratio at 120Hz)	WV	4	6.3	10	16	25	35 ~ 100	160 ~ 250	400 ~ 450																
	Z-25°C/Z+20°C	6	5	4	3	2	2	3	6																
	Z-40°C/Z+20°C	12	10	8	6	4	3	6	10																
Load life (after application of the rated voltage for 2000 hours at 85°C)	Leakage current	Less than specified value																							
	Capacitance change	Within ±20% of initial value (Small size : ±25%)																							
	tanδ	Less than 200% of the specified value																							
Shelf life(at 85°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4																								
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 10 seconds.																								
	Leakage current	Less than specified value																							
	Capacitance change	Within ±10% of initial value																							
	tanδ	Less than specified value																							

● DRAWING -Series code of SC is "V"

Unit : mm



SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

SC series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	4	6.3		10		16		25		35		50		
0.1													4×5.3	3.2	
0.22													4×5.3	4.7	
0.33													4×5.3	5.7	
0.47													4×5.3	6.8	
1.0													4×5.3	10	
2.2													4×5.3	11	
3.3													4×5.3	15	
4.7													4×5.3	24	
													5×5.3	25	
10	4×5.3	16	4×5.3	19	4×5.3	21	4×5.3	21	4×5.3	24	4×5.3	27	5×5.3	41	
										5×5.3	30	5×5.3	32	6.3×5.3	43
22	4×5.3	24	4×5.3	29	4×5.3	28	4×5.3	30	5×5.3	41	6.3×5.3	55	6.3×5.3	71	
						5×5.3	36	5×5.3	41	6.3×5.3	53		6.3×5.8	73	
33	4×5.3	29	4×5.3	30	4×5.3	34	5×5.3	43	5×5.3	50	6.3×5.3	65	6.3×7.7	94	
				5×5.3	41	5×5.3	44	6.3×5.3	58	6.3×5.3	64	6.3×5.8	67	8×6.2	95
47	4×5.3	35	4×5.3	36	5×5.3	47	5×5.3	52	6.3×5.3	70	6.3×7.7	94	6.3×7.7	105	
				5×5.3	48	6.3×5.3	62	6.3×5.3	69	6.3×5.8	72	8×6.2	105	8×10	140
100	5×5.3	54	5×5.3	60	6.3×5.3	80	6.3×5.3	88	8×6.2	145	6.3×7.7	132	8×10	181	
		6.3×5.3	68	6.3×5.3	82	6.3×5.8	82	6.3×5.8	91		8×10	175	10×10	195	
220	6.3×5.3	93	6.3×5.8	91	6.3×7.7	173	6.3×7.7	162	8×10	232	10×10	265	10×10	320	
330				6.3×7.7	188	8×10	240	8×10	270	10×10	305	10×10	360	12.5×13.5	600
470				8×6.2	190										
1000				8×10	370	10×10	454	12.5×13.5	710	12.5×13.5	820				
1500				10×10	400										
2200				10×10	480	12.5×13.5	850	12.5×13.5	870						
				12.5×13.5	890	12.5×13.5	960								

↑ ↑
Ripple current (mA rms) at 85°C, 120Hz
Case size ØD × L (mm)

SC series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	63	100	160	200	250	400	450		
2.2									10×10	85
3.3			6.3×5.8	29					10×10	90
4.7	6.3×5.8	31	6.3×5.8	35		10×10	100	10×10	115	12.5×13.5
			8×6.2	40			100	12.5×13.5	115	12.5×13.5
10	6.3×5.8	46	8×10	77	10×10	100	12.5×13.5	150	12.5×13.5	150
22	8×6.2	96	8×10	100	12.5×13.5	240	12.5×13.5	260		
33	8×10	117	10×10	130	12.5×13.5	260				
47	10×10	140	10×10	155						
68	10×10	160	12.5×13.5	350						
100	12.5×13.5	370	12.5×13.5	420						
220	12.5×13.5	550								

↑ ↑
 Ripple current (mA rms) at 85°C, 120Hz
 Case size ØD × L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz \leq
Coefficient	0.70	1.00	1.17	1.36	1.50