



Chip type, Higher Capacitance Range
Series

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

S
Solvent Proof
WV \leq 100V

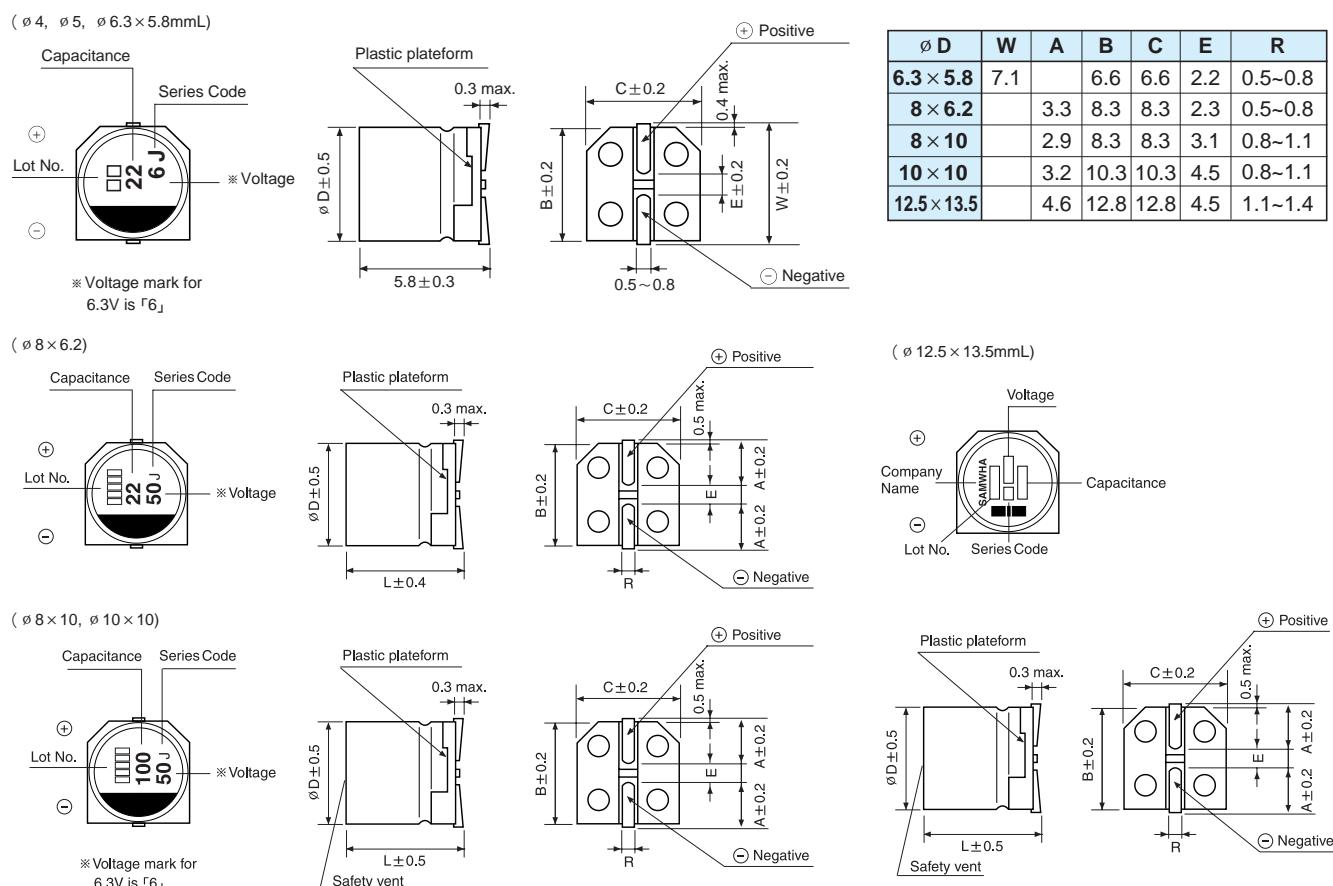
RC → **JC**
Long life



Item	Characteristics														
Operating temperature range	WV \leq 100 : -55 ~ +105°C WV \geq 160 : -40 ~ +105°C														
Leakage current max.	WV \leq 100 I = 0.01CV or 3μA whichever is greater (after 2 minutes) WV \geq 160 I = 0.04CV + 100μA(after 1 minutes)														
Capacitance tolerance	$\pm 20\%$ 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	0.37	0.22 (0.28)	0.19 (0.24)	0.16 (0.20)	0.14 (0.16)	0.12 (0.13)	0.10 (0.12)	0.10	0.10	0.15	0.15	0.15	0.20	0.20
	Figures in() are for small size, over the 6.3×5.8($\phi D \times L$)														
Low temperature characteristics (Impedance ratio at 120Hz)	WV	4	6.3	10	16	25 ~ 50	63 ~ 100	160 ~ 250	400 ~ 450						
	Z-25°C/Z+20°C	6	3	3	2	2	3	3	6						
	Z-40°C/Z+20°C	12	8	5	4	3	4	6	10						
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current		Less than specified value												
	Capacitance change		Within $\pm 20\%$ of initial value (Small size : $\pm 25\%$)												
	tanδ		Less than 200% of specified value												
Shelf life(at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.														
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 30 seconds.														
	Leakage current		Less than specified value												
	Capacitance change		Within $\pm 10\%$ of initial value												
	tanδ		Less than specified value												

● DRAWING

Unit : mm



SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

JC series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	4	6.3	10	16	25	35	50
10								
22						6.3 × 5.8	38	6.3 × 5.8
33					6.3 × 5.8	40	6.3 × 5.8	48
47				6.3 × 5.8	46	6.3 × 5.8	50	8 × 6.2
100	6.3 × 5.8	60	6.3 × 5.8	60	6.3 × 5.8	60	8 × 10	148
220			8 × 10	161	8 × 10	173	10 × 10	330
330			8 × 10	288	10 × 10	318	10 × 10	441
470			10 × 10	340	10 × 10	351	10 × 10	489
680			10 × 10	408	10 × 10	392	12.5 × 13.5	500
1000			10 × 10	495	10 × 10	550	12.5 × 13.5	600
1500			10 × 10	560	12.5 × 13.5	650		
2200			12.5 × 13.5	730				

μF	WV	63	100	160	200	250	400	450
3.3						10 × 10	30	12.5 × 13.5
4.7					10 × 10	45	12.5 × 13.5	65
10	8 × 6.2	32		10 × 10	45	12.5 × 13.5	75	
22	8 × 10	60	8 × 10	90	12.5 × 13.5	85	12.5 × 13.5	85
33	8 × 10	110	10 × 10	120	12.5 × 13.5	95	Ripple current (mA rms) at 105°C, 120Hz	
47	10 × 10	130					Case size $\phi D \times L$ (mm)	