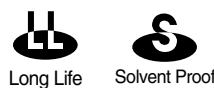


CA

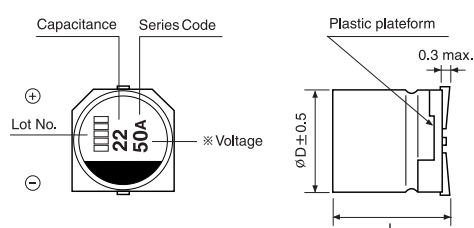
 Chip type, Long Life, High CV Series


- Chip type, long life capacitance in large case sizes
- Chip type with load life of 5000 hours at +105°C
- 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	-55 ~ +105°C							
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)							
Capacitance tolerance	±20% at 120Hz, 20°C							
Dissipation factor max. (at 120Hz, 20°C)	WV	6.3	10	16	25	35	50	
	tanδ	0.28	0.24	0.2	0.16	0.13	0.12	
Low temperature characteristics (Impedance ratio at 120Hz)	WV		6.3	10	16	25	35	50
	Z-25°C/Z+20°C		4	3	2	2	2	2
	Z-40°C/Z+20°C		10	7	5	3	3	3
Load life (after application of the rated voltage for 5000 hours at 105°C)	Leakage current			Less than specified value				
	Capacitance change			Within ±30% of initial value				
	tanδ			Less than 300% 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 ±10% of initial value				
	tanδ			Less than specified value				

DRAWING

Unit : mm



* Please refer to drawing for CK Series in page 57 for detail drawing.

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	6.3	10	16	25	35	50
10							6.3×5.8 30
22					6.3×5.8 38	6.3×5.8 42	6.3×7.7 120
33				6.3×5.8 40	6.3×5.8 48	6.3×7.7 57	8×10 140
47			6.3×5.8 46	6.3×5.8 50	6.3×7.7 63	8×10 92	8×10 170
100	6.3×5.8 60	6.3×7.7 81	6.3×7.7 81	8×10 116	10×10 151	10×10 310	
220	6.3×7.7 101	8×10 141	10×10 216	10×10 216	10×10 216		
330	8×10 160	10×10 238	10×10 238	10×10 238			
470	10×10 254	10×10 254	10×10 254				
1000	10×10 313						

← Ripple current (mA rms) at 105°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