Upgrade

YC

Chip type, Standard Series

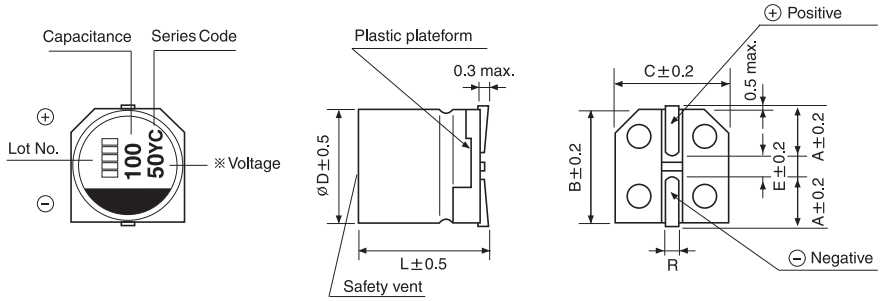
Solvent Proof

- Endurance with ripple current: 10000 hours at 105˚C
- 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: 16 / 25 / 35 / 50 / 63 / 80 tanδ: 0.16 / 0.14 / 0.12 / 0.10 / 0.08 / 0.08
Low temperature characteristics (Impedance ratio at 100kHz)	Z (-25˚C) / Z (+20˚C) ≦ 1.5 Z (-55˚C) / Z (+20˚C) ≦ 2.0
Load life	After an application of DC bias voltage plus the rated AC ripple current for 10000 hours at 105˚C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage. Capacitance change: Within ±30% of initial value tanδ: Less than 200% of the specified value ESR: Less than 200% of the specified value Leakage current: Less than specified value
Shelf life(at 105˚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

Unit : mm



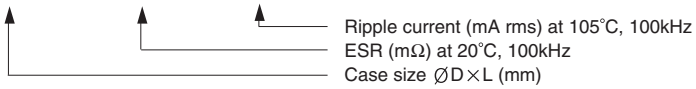
ØD×L	A	B	C	E	R
6.3×7.7	2.4	6.6	6.6	2.2	0.5~0.8
8×10	2.9	8.3	8.3	3.1	0.8~1.1
10×10	3.2	10.3	10.3	4.5	0.8~1.1

YC series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	16			25			35		
47							6.3×7.7	35	2000
68				6.3×7.7	30	2000	6.3×7.7	35	2000
100				6.3×7.7	30	2000	8×10	27	2300
150	6.3×7.7	27	2200	8×10	27	2300	8×10	27	2300
							10×10	20	2500
220				8×10	27	2300			
270	8×10	22	2500	10×10	20	2500	10×10	20	2500
330				10×10	20	2500			
470	10×10	18	2600						

μF \ WV	50			63			80		
10				6.3×7.7	80	1500			
15	6.3×7.7	40	1600						
22				6.3×7.7	80	1500	8×10	45	1600
				8×10	40	1600			
33	6.3×7.7	40	1600	8×10	40	1600			
	8×10	30	1800	10×10	30	1800			
39							10×10	35	1700
47	8×10	30	1800						
56	10×10	25	2000	10×10	30	1800			
68	10×10	25	2000						
100	10×10	25	2000						



● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	120Hz	1kHz	10kHz	100kHz
Coefficient	0.05	0.30	0.70	1.00