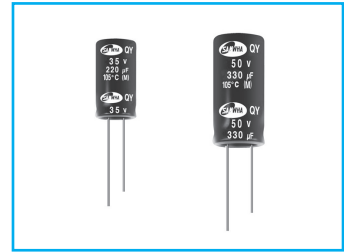


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

QY Long Life Series

S
Solvent Proof

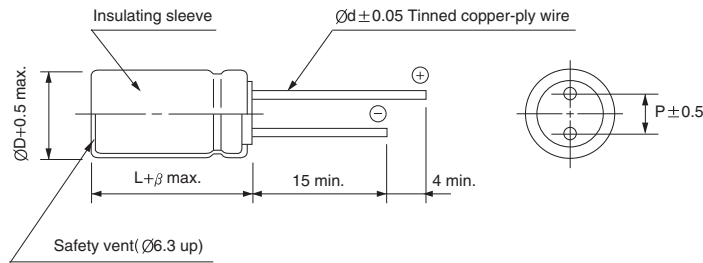


- High reliability withstanding 13000 hours load life at 105°C
- Complied to the RoHS directive, Halogen-Free

Item	Characteristics		
Operating temperature range	-25 ~ +105°C		
Leakage current max.	I = 0.01CV or 3μA (after 2 minutes)		
Capacitance tolerance	±20% at 120Hz, 20°C		
Dissipation factor max. (at 120Hz, 20°C)	WV	35	50
	tanδ	0.22	0.19
Low temperature characteristics (Impedance ratio at 120Hz)	WV	35	50
	Z-25°C/Z+20°C	3	3
Load life (after application of the rated voltage for 13000 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. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4		

● DRAWING

Unit : mm



ØD	6.3	8	10	12.5
P	2.5	3.5	5.0	5.0
Ød	0.5	0.5	0.6	0.6
β	1.5		2.0	

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	35		50	
22			6.3 × 11	228
47	6.3 × 11	205	6.3 × 11	228
			8 × 7	228
100	8 × 11.5	550	8 × 11.5	450
			10 × 16	700
220	10 × 16	800	12.5 × 20	990
330	10 × 20	1030	12.5 × 25	1250
470	12.5 × 20	1320	12.5 × 30	1585
560	12.5 × 25	1500		

↑ Ripple current (mA rms) at 105°C, 100kHz
 ↑ Case size ØD × L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

μF \ Frequency	120Hz	1kHz	10kHz	50kHz	100kHz ≤
~ 33	0.25	0.50	0.75	0.90	1.00
47 ~	0.30	0.55	0.80	0.90	1.00