

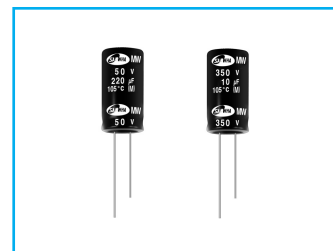
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

MW

High Ripple Current Series

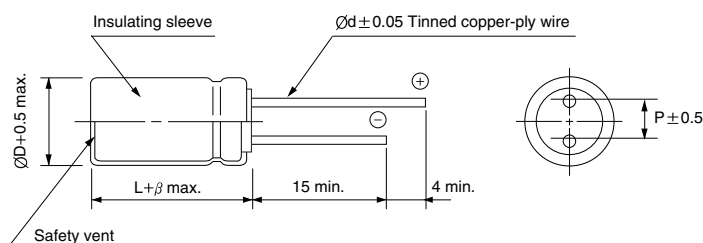
- Load life of 5000 hours at 105°C
- Voltage range 25 ~ 500V
- Complied to the RoHS directive



Item	Characteristics										
Operating temperature range	WV				25 ~ 450				500		
	Temperature range				-40 ~ +105°C				-25 ~ +105°C		
Leakage current max.	WV ≤ 100							WV > 100			
	I = 0.01CV or 3μA whichever is greater (after 2 min.) I = 0.03CV or 4μA whichever is greater (after 1 min.)							I = 0.02CV+15μA (after 5 min.)			
Capacitance tolerance	±20% at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)	WV	25	35	50	160	200	250	350	400	450	500
	tanδ	0.14	0.12	0.10	0.15	0.15	0.15	0.20	0.24	0.24	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	25	35	50	160	200	250	350	400	450	500
	Z-25°C/Z+20°C	2	2	2	3	3	4	4	6	6	6
	Z-40°C/Z+20°C	3	3	3	4	4	4	8	10	10	-
Load life	After an application of DC bias voltage plus the rated AC ripple current for 5000 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.										
	Rated voltage (Vdc)				25 ~ 50				160 ~ 500		
	Capacitance change				Within ±25% of initial value				Within ±20% of initial value		
	tanδ				Less than 200% of 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										

DRAWING

Unit : mm



ØD	10
P	5.0
Ød	0.6
β	1.0

Vdc	Cap.(µF)	ØD×L (mm)	Rated ripple current (mA rms / 105°C)		
			120Hz	50kHz	100kHz
25	470	10 × 12.5	680	1987	2092
35	330		680	1862	1960
50	220		495	1568	1650
160	27		240	608	640
200	22		220	565	595
250	6.8		123	323	340
250	15		174	485	510
350	10		145	394	415
400	8.2		132	342	360
450	3.3		92	292	307
450	6.8		105	333	350
500	4.7		88	181	190