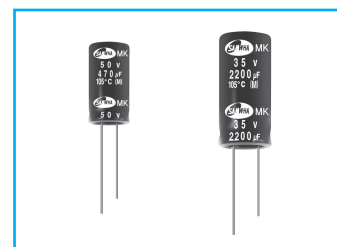


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



High Ripple Current Series



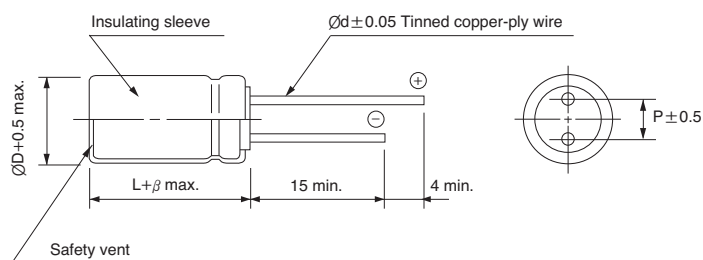
- Ripple current compared with LK series
- Enabled high ripple current by a reduction of impedance at high frequency
- High reliability withstanding 5000 hours load life at 105°C
(2000 ~ 4000 hours for smaller case sizes as specified below)
- Complied to the RoHS directive



Item	Characteristics								
Operating temperature range	-40 ~ +105°C								
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes) I = 0.03CV or 4μA whichever is greater (after 1 minute)								
Capacitance tolerance	±20% (20°C, 120Hz)								
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000μF : tanδ increases by 0.02 for each 1000μF from below value.								
	WV	6.3	10	16	25	35	50	63	100
	tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.08
Low temperature characteristics (Impedance ratio at 120Hz)	Z-40°C / Z+20°C					Z-25°C / Z+20°C			
	3					2			
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.								
	Leakage current				Less than specified value				
	Capacitance change				Within ±25% of the initial value				
	tanδ				Less than 200% of the specified value				
	Ø5, 6.3 : 2000 hours, Ø8 : 3000 hours								
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 6503 clause 5.1.								

DRAWING

Unit : mm



ØD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8
β	1.5			2.0			

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency μF	120Hz	1kHz	10kHz	50kHz	100kHz≤
~ 33	0.40	0.65	0.82	0.94	1.00
39 ~ 270	0.50	0.70	0.84	0.96	1.00
330 ~ 680	0.55	0.75	0.86	0.96	1.00
820 ~ 1800	0.60	0.80	0.88	0.97	1.00
2200 ~ 15000	0.70	0.85	0.90	0.97	1.00

