

## MW High Ripple Current Series

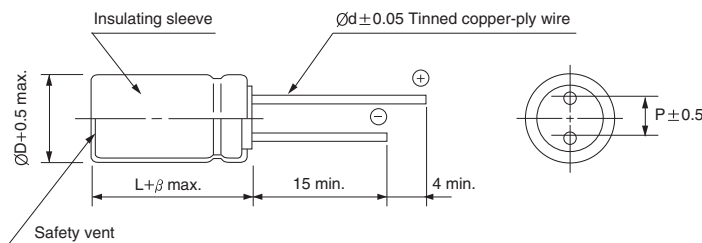
- Load life of 5000 hours at 105°C
- Voltage range 25 ~ 500V
- Complied to the RoHS directive



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	628	1987	2092
35	330		588	1862	1960
50	220		495	1568	1650
160	27		192	608	640
200	22		179	565	595
250	6.8		102	323	340
250	15		153	485	510
350	10		125	394	415
400	8.2		108	342	360
450	3.3		92	292	307
500	4.7		57	181	190