

EY High Reliability Long Life Series

- High reliability, long life guaranteed for 7000 hours load life at 105°C
- Suited for use in industrial power supplies for inverter
- Complied to the RoHS directive



Item	Characteristics	
Operating temperature range	-25 ~ +105°C	
Capacitance tolerance	±20% at 120Hz, 20°C	
Leakage current max.	$I=3\sqrt{CV}$ (μA) (after 5 minutes)	
Dissipation factor max.	0.20 max. at 120Hz, 20°C	
Load life (after application of the rated voltage for 7000 hours at 105°C)	Leakage current	Less than specified value
	Capacitance change	Within ±20% 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 (See page 206)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV Item μF	350		400		450	
	∅D×L (mm)	Ripple current (A rms) 105°C 120Hz	∅D×L (mm)	Ripple current (A rms) 105°C 120Hz	∅D×L (mm)	Ripple current (A rms) 105°C 120Hz
1500					51 × 110	6.1
1800			51 × 110	7.4	51 × 130	7.1
2200	51 × 110	8.2	51 × 130	8.8	63.5 × 110	7.8
2700	51 × 130	9.8	63.5 × 110	9.7	63.5 × 130	9.2
3300	63.5 × 100	10.3	63.5 × 130	11.4	76.2 × 110	9.9
3900	63.5 × 110	11.6	76.2 × 100	11.6	76.2 × 130	11.4
4700	76.2 × 100	12.7	76.2 × 130	14.0	76.2 × 150	13.2
5600	76.2 × 110	14.3	76.2 × 150	16.2	76.2 × 160	14.8
6800	76.2 × 130	16.8	76.2 × 160	18.3	89 × 150	17.5
8200	76.2 × 150	20.1	89 × 150	21.5	89 × 160	19.7
10000	89 × 150	23.7	89 × 160	24.3		
12000	89 × 160	26.7				

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV Frequency	50Hz	120Hz	300Hz	1kHz	3kHz
350 ~ 450	0.8	1.0	1.1	1.3	1.4