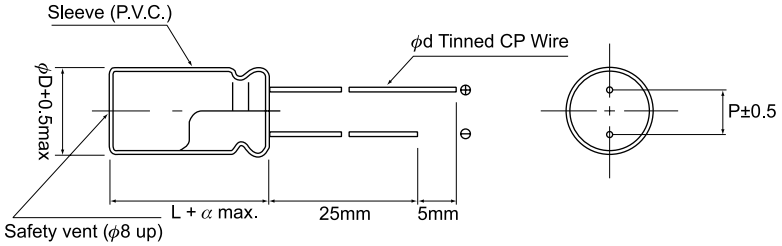
GHV High Ripple Current & High reliability

- High ripple current & low E.S.R.
- Suitable for electronic ballast, adaptor and power supply.
- Life guaranteed 3,000 hours at 105°C.

• Specifications

Item	Performance Characteristics					
Operating Temperature range	-40 + 105°C				-25 + 105°C	
Rated Voltage	160 V ~ 400 V				450 V	
Capacitance Range	2.2 ~ 220 μF					
Capacitance Tolerance	±20% (120Hz, 20°C)					
Leakage Current	I ≤ 0.06CV +10μA, after 2 minutes application of rated voltage.					
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	160	200	250	400	450
	Tan δ (max.)	0.15	0.15	0.15	0.24	0.24
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature					
	Rated voltage (V)	160	200	250	400	450
	Z (-25°C) / Z (20°C)	3	3	3	6	6
	Z (-40°C) / Z (20°C)	4	4	4	6	-
Load Life	After 3,000 hours application of rated voltage and ripple current at 105°C, capacitor shall meet the characteristics requirements as below.					
	Capacitance change	Within ± 20% of initial value				
	Tan δ	200% or less of initial specified value				
	Leakage current	Initial specified value or less				
Shelf Life	At 105°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life.					

• Dimension (mm)



Dφ	10	13	16	18
P	5.0	5.0	7.5	7.5
φd	0.6		0.8	
α	2.0		2.0	

• Frequency coefficient of allowable ripple current

Frequency		120 Hz	1 KHz	10 KHz	100 KHz
160 ~ 450V	φD=10	0.25	0.61	0.88	1.00
	φD>10	0.35	0.66	0.89	1.00

• Allowable ripple vs. Ambient temperature

Ambient Temp. (°C)	65	75	85	95	105
Compensating Coefficient	1.80	1.65	1.50	1.25	1.00

• Standard Products Table

Dϕ x L (mm)

WV(SV) / Cap (μF)	160 (200)			200 (250)			250 (300)		
4.7							10 x 16	3.45	150
10	10 x 16	1.47	220	10 x 16	1.47	220	10 x 20	2.7	240
22	10 x 20	0.80	350	10 x 20	0.80	350	13 x 20	1.47	380
33	10 x 20	0.62	430	13 x 20	0.62	460	13 x 25	1.15	510
47	13 x 20	0.50	550	13 x 25	0.50	610	16 x 25	0.92	610
68	13 x 20	0.39	660	13 x 25	0.39	730	16 x 31	0.71	810
100	16 x 25	0.32	890	16 x 31	0.32	980	18 x 36	0.59	1110
220	16 x 36	0.17	1540	18 x 36	0.17	1640	18 x 40	0.31	1730

WV(SV) / Cap (μF)	400 (450)			450 (500)		
2.2				10 x 16	4.94	110
3.3	10 x 20	2.60	170	10 x 20	4.11	150
4.7	10 x 25	2.20	220	13 x 20	3.47	190
10	13 x 25	1.72	340	13 x 25	2.72	300
22	16 x 25	0.94	510	16 x 31	1.48	500
33	16 x 31	0.73	690	16 x 31	1.15	620
47	16 x 31	0.59	820	18 x 31	0.92	780
68	16 x 31	0.46	990			
100	18 x 31	0.38	1280			
120	18 x 36	0.32	1480			
150	18 x 40	0.26	1740			
180	18 x 40	0.23	1910	Case size	Imp.	Ripple

• Impedance: (Ω) max. at 20°C 100KHz • Rated ripple current (mA) at 105°C 100KHz