

# GHX High Ripple Current, High reliability

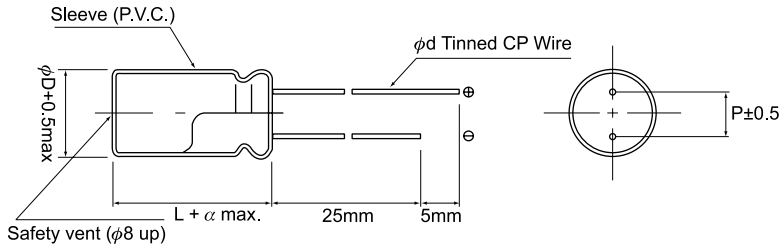
- Featured with high ripple current & low E.S.R.
- For electronic ballast or power supply application.
- Life guaranteed 5,000 hours at 105°C



• Specifications

Item	Performance Characteristics						
	-40 + 105°C			-25 + 105°C			
Operating Temperature range	-40 + 105°C			-25 + 105°C			
Rated Voltage	160 V ~ 400 V			450 V			
Capacitance Range	6.8 ~ 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	350	400	450
	Tan δ (max.)	0.15	0.15	0.15	0.20	0.24	0.24
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature						
	Rated voltage (V)	160	200	250	350	400	450
	Z (-25°C) / Z (20°C)	3	3	3	6	6	6
	Z (-40°C) / Z (20°C)	4	4	4	6	6	-
Load Life	After 5,000 hours application of rated voltage and ripple current at 105°C, capacitor shall meet the characteristics requirements mentioned 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
Coefficient	0.50	0.80	0.90	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

WV(SV) Cap (µF)	Dφ x L (mm)											
	160 (200)		200 (250)		250 (300)		350 (400)		400 (450)		450 (500)	
6.8							10 x 16	220	10 x 16	220	10 x 20	150
10	10 x 16	250	10 x 16	250	10 x 20	280	10 x 20	280	10 x 20	280	13 x 20	320
22	10 x 20	500	10 x 20	500	13 x 20	600	13 x 20	350	13 x 25	430	16 x 25	560
33	10 x 20	500	13 x 20	600	13 x 20	600	16 x 20	500	16 x 25	640	16 x 31	700
47	13 x 20	660	13 x 20	660	13 x 25	720	16 x 25	660	16 x 31	840	18 x 31	880
68	13 x 25	760	13 x 25	760	16 x 25	920	16 x 31	850	18 x 31	1000		
100	16 x 25	1120	16 x 25	1120	16 x 31	1200						
150	16 x 31	1360	16 x 31	1360	18 x 31	1500						
220	16 x 31	1400	18 x 31	1700							Case size	Ripple

• Allowable ripple current: (mA) at 105°C/100 KHz