HT Series 4 Terminals Snap-in Type 105℃

Features

- Premium industrial grade.
- Long life 2000 Hrs at +105℃ with ripple current applied.
- Expected life : 75000 hrs at +65℃ with ripple current applied.
- Various case sizes and vent construction.
- RoHS Compliant

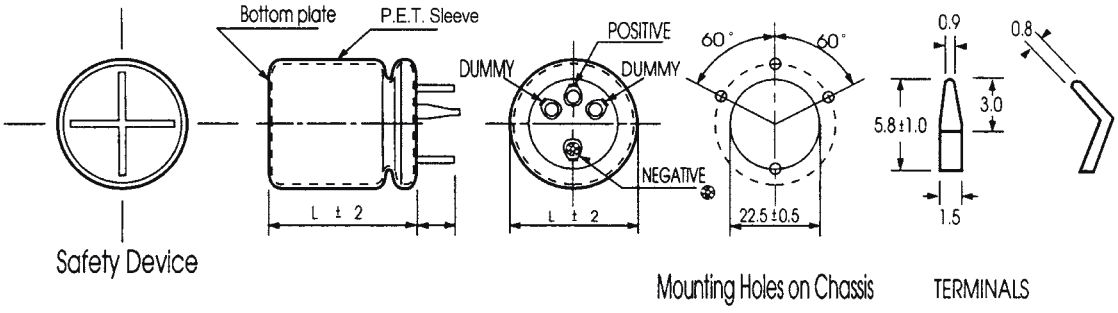
Specifications

Item	Performance Characteristics
Operating Temperature Range	-25 to +105℃
Rated Voltage Range	160 ~ 400 VDC
Capacitance Range	82 ~ 1200 μF
Capacitance Tolerance	±20% (120Hz, +20℃)
Leakage Current (+20℃,max.)	I ≦ 0.02CV After 5 minutes with rated working voltage applied.
Dissipation Factor (tan δ ，at 20℃，120Hz)	15% max.
Low Temperature Characteristics (at 120Hz)	Impedane ratio max Working voltage (VDC) 160 200 250 400 Z -25℃ / Z +20℃ 4 4 4 8
Endurance	Test conditions Duration time :2000 Hrs Ambient temperature :+105℃ Applied voltage :Rated DC working voltage After test requirement at +20℃ Capacitance change :≦ ±20% of the initial measured value Dissipation factor :≦ 200% of the initial specified value Leakage current :≦ The initial specified value
Shelf Life	Test conditions Duration time :1000 Hrs Ambient temperature :+105℃ Applied voltage :None After test requirement at +20℃ : Same limits as Endurance. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.

Multiplier for Ripple Current vs. Frequency

CAP(μF)＼Frequency(Hz)	50(60)	120	400	1K	10K	50K-100K
10＜CAP≦100	0.8	1	1.23	1.36	1.48	1.53
100＜CAP≦1000	0.8	1	1.16	1.25	1.35	1.38
1000＜CAP	0.8	1	1.11	1.17	1.25	1.28

Diagram of Dimensions:(unit:mm)



Snap-in

Case Size

ϕ DxL(mm)

WV / ϕ D / Cap(μF)	160				200			
	30		35		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
220					30x26	1.15		
270					30x26	1.22		
330	30x26	1.39			30x31	1.33		
390	30x26	1.47			30x31	1.47	35x27	1.47
470	30x31	1.64			30x36	1.54	35x32	1.54
560	30x31	1.76			30x41	1.69	35x32	1.69
680	30x36	1.98	35x32	1.98	30x46	1.90	35x37	1.90
820	30x41	2.36	35x32	2.36	30x51	2.24	35x42	2.24
1000	30x51	2.60	35x37	2.60				
1200	30x56	2.73						

WV / ϕ D / Cap(μF)	250				400			
	30		35		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
82					30x26	0.73		
100					30x31	0.82		
120					30x36	0.87	35x27	0.87
150					30x41	1.00	35x32	1.00
180	30x26	0.98			30x46	1.06	35x37	1.06
220	30x31	1.10			30x51	1.18	35x42	1.18
270	30x31	1.22						
330	30x36	1.36	35x32	1.36				
390	30x41	1.47	35x32	1.47				
470	30x41	1.58	35x37	1.58				
560	30x51	1.76	35x42	1.76				

Ripple Current (A, rms) at 105℃ 120Hz