

HT Series 4 Terminals Snap-in Type 105°C

Features

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



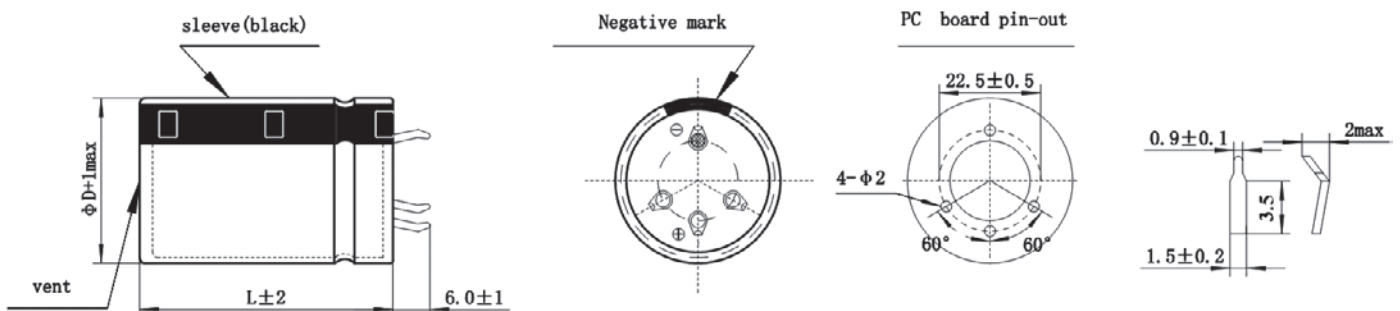
Specifications

Item	Performance Characteristics									
Operating Temperature Range	-25 to +105°C									
Rated Voltage Range	160 ~ 400 VDC									
Capacitance Range	82 ~ 1200 µ F									
Capacitance Tolerance	±20% (120Hz, +20°C)									
Leakage Current (+20°C,max.)	$I \leq 0.02CV$ After 5 minutes with rated working voltage applied.									
Dissipation Factor (tan δ , at 20°C , 120Hz)	15% max.									
Low Temperature Characteristics (at 120Hz)	Impedance ratio max									
	<table border="1"> <thead> <tr> <th>Working voltage (VDC)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> </thead> <tbody> <tr> <td>Z -25°C / Z +20°C</td> <td>4</td> <td>4</td> <td>4</td> <td>8</td> </tr> </tbody> </table>	Working voltage (VDC)	160	200	250	400	Z -25°C / Z +20°C	4	4	4
Working voltage (VDC)	160	200	250	400						
Z -25°C / Z +20°C	4	4	4	8						
Endurance	Test conditions Duration time :2000 Hrs Ambient temperature :+105°C Applied voltage :Rated DC working voltage After test requirement at +20°C 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°C Applied voltage :None After test requirement at +20°C : 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(µ F)\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)



Case Size

φ DxL(mm)

Cap(μF) WV φ D	160				200			
	30		35		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
220					30x25	1.15		
270					30x25	1.22		
330	30x25	1.39			30x30	1.33		
390	30x25	1.47			30x30	1.47	35x25	1.47
470	30x30	1.64			30x35	1.54	35x30	1.54
560	30x30	1.76			30x40	1.69	35x30	1.69
680	30x35	1.98	35x30	1.98	30x45	1.90	35x35	1.90
820	30x40	2.36	35x30	2.36	30x50	2.24	35x40	2.24
1000	30x50	2.60	35x35	2.60				
1200	30x55	2.73						

Cap(μF) WV φ D	250				400			
	30		35		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
82					30x25	0.73		
100					30x30	0.82		
120					30x35	0.87	35x25	0.87
150					30x40	1.00	35x30	1.00
180	30x25	0.98			30x45	1.06	35x35	1.06
220	30x30	1.10			30x50	1.18	35x40	1.18
270	30x30	1.22						
330	30x35	1.36	35x30	1.36				
390	30x40	1.47	35x30	1.47				
470	30x40	1.58	35x35	1.58				
560	30x50	1.76	35x40	1.76				

Ripple Current (A, rms) at 105°C 120Hz