

HTR Series 4 Terminals Snap-in Type 105°C 四端子基板型大電容量

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.

Specifications

No	Item	Performance Characteristics								
1	使用温度範圍 Operating Temperature Range	-25 to +105°C								
2	定格電壓範圍 Rated Voltage Range	160 ~ 400 VDC								
3	靜電容量許差 Capacitance Range	82 ~ 1200 μ F								
4	靜電容量範圍 Capacitance Tolerance	$\pm 20\%$ (120Hz, +20°C)								
5	漏電電流 Leakage Current(+20°C, max.)	$I \leq 0.02CV$ After 5 minutes								
6	損失角 Dissipation Factor($\tan \delta$)	15% max. (+20°C, at 120Hz)								
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio at max.								
		<table border="1"> <tr> <th>Working Voltage (VDC)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> </tr> <tr> <td>Z -25°C / Z +20°C</td> <td>4</td> <td>4</td> <td>4</td> <td>8</td> </tr> </table>	Working Voltage (VDC)	160	200	250	400	Z -25°C / Z +20°C	4	4
Working Voltage (VDC)	160	200	250	400						
Z -25°C / Z +20°C	4	4	4	8						
8	高温負荷特性 Load Life	Test conditions								
		Duration time : 2000Hrs Ambient temperature : +105°C Applied voltage : Rated DC working voltage After test requirements at +20°C : Capacitance change : $\leq \pm 20\%$ of the initial measured value Dissipation factor : $\leq 200\%$ of the initial specified value Leskage current : \leq The initial specified value								
9	高温無負荷特性 Shelf Life	Test conditions								
		Duration time : 1000Hrs Ambient temperature : +105°C Applied voltage : None After test requirements at +20°C : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.								

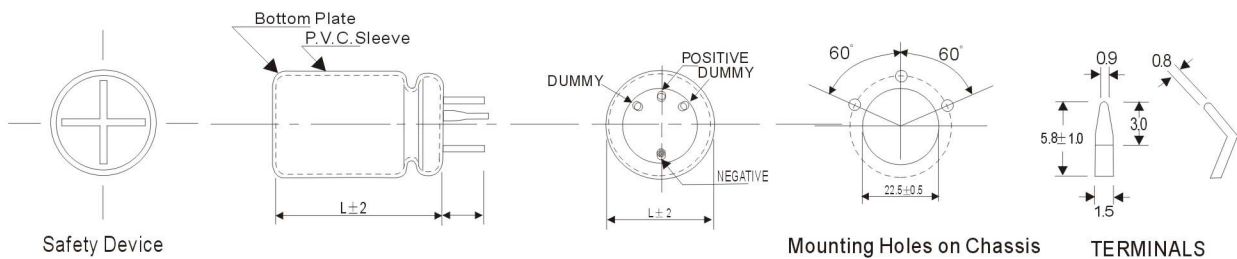
Multiplier for Ripple Current vs. Frequency

CAP(μ F)\Hz	50(60)	120	400	1K	10K	50K-100K
10<CAP \leq 100	0.8	1	1.23	1.36	1.48	1.53
100<CAP \leq 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

Multiplier for Ripple Current vs. Temperature

Temperature°C	45	60	70	85	95	105
Multiplier	2.10	1.90	1.65	1.40	1.25	1.00

Diagram of Dimension:(unit:mm)



Cade Size and Maximum Ripple Current: (A. rms 120Hz at 105°C)

WV	μ F	Case Size Φ DxL(mm)	I _r (A)	WV	μ F	Case Size Φ DxL(mm)	I _r (A)	WV	μ F	Case Size Φ DxL(mm)	I _r (A)	WV	μ F	Case Size Φ DxL(mm)	I _r (A)
160	330	30x26	1.39	200	220	30x26	1.15	250	180	30x26	0.98	400	82	30x26	0.73
	390	30x26	1.47		270	30x26	1.22		220	30x31	1.10		100	30x31	0.82
	470	30x31	1.64		330	30x31	1.33		270	30x31	1.22		120	30x36	0.87
	560	30x31	1.76		390	30x31	1.47		330	30x36	1.36		150	35x27	
	680	30x36	1.98		470	30x36	1.54		390	35x32	1.47		150	30x41	1.00
		35x32				35x32				35x32					
	820	30x41	2.36		560	30x41	1.69		470	30x41	1.58		180	30x46	1.06
		35x32				35x32				35x37			220	35x37	
	1000	30x51	2.60		680	30x46	1.90		560	30x51	1.76		220	30x51	1.18
		35x37				35x37				35x42					
1200	30x42	2.73	820	30x51	2.24										