

SPECIFICATION :

1. Style : Disc Type Thermistor (Negative Temperature Coefficient)

- 1-1 Material of Coating : Silicone
- 1-2 Color of Coating : Black
- 1-3 Material of Lead : (Cu,Fe,Sn) Material

2. Maximum Ratings (Ambient Ta=25°C)

	Item	Conditions	Max. Rated Value
a	Rated Temperature	in still air	-40 ~ +200 °C
b	Max. Permissible Working Current	Ta : 25 °C	5 Amp.

3. Electrical Characteristics

	Item	Conditions	Specification
a	Zero Power Resistance	Ta : 25 ±0.2 °C , I ≤ 0.5mA	10 Ω ± 20 %
b	Beta Value	8876*Log(R25/R50)	3047 ± 7 %
c	Thermal Dissipation Constant	Ta : 25 °C	19 mW/°C (Approx.)
d	Thermal Time Constant	Ta : 25 °C	103 sec. (Approx.)
e	Insulation	1000 Vdc	> 500 MΩ
f	V-I Test	Steady State Current I : 1 Amps I : 2 Amps I : 3 Amps I : 4 Amps I : 5 Amps	Resistance Under Load 1471 mΩ (Approx.) 611 mΩ (Approx.) 370 mΩ (Approx.) 241 mΩ (Approx.) 182 mΩ (Approx.)
g	UL APPROVAL MAX. load capacitance(uf), { 240Vac/1240uf } , compares of the twice R-T value of Before test & After test, the variation of temperature must be within ±20°C .		
h	Permissible Electrolytic Capacitor suggestion to use in the safety range is under { 340Vdc/440uf }		
i	UL Test Temperature (min : 0 °C)		
k	<p style="text-align: center;">Maximum power rating(Pmax.)</p> <p>The customer makes the test according to the actual design demand temperature</p>		

Resistance : Thermistor shall be tested in constant temperature oil bath .
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