

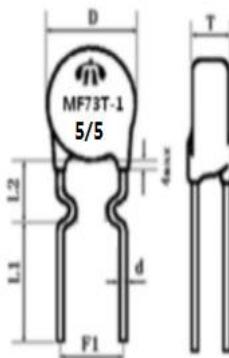
MF73T-1 type high power NTC thermistor for inrush current limiting

1.Electrical Properties.

	Item	Symbol	Test conditions	Unit	Performance requirements
1.1	25°C nominal zero-power resistance	R ₂₅	T _a =25±0.5°C test power≤0.1mW in air	Ω	5Ω±20%
1.2	B value	B _{25/50}	B=[(T _a ×T _b)/(T _b -T _a)]×ln(R _a /R _b)	K	2800±10%
1.3	Maximum current within stated temperature range	I _{max}	/	A	5
1.4	Maximum capacitance	C _T	240VAC	μF	470
1.5	Dissipation factor	δ	/	mW/°C	Approx. 12
1.6	Thermal cooling time constant	τ	/	sec	Approx. 50
1.7	Withstand voltage	/	500V/AC 1min	/	No breakdown or flash-over
1.8	Insulation resistance	/	500V/DC 1min	MΩ	≥500
1.9	Working temperature range	/	/	°C	-40~170
1.10	Maximum power within stated temperature range	P _{max}	/	W	2.5

2.Reliability

3.Dimension : (Unit: mm)



Encapsulation material	Lead wire material
Black silicone resin	Tinned copper wire

D	L ₁	L ₂	F ₁	T	d
Max 13.0	Min 17	8±2	7.5±1	Max 5.5	0.8±0.05

4. Product model & marking description

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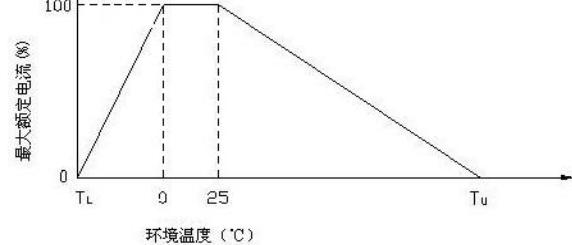
① ② ③ ④

① : Logo

② MF73T-1: Model type

③ 5: R₂₅ 5Ω

④ 5: I_{max} 5A



5 Derating curve

备注: T_L=最低温度 (°C)
T_u=最高温度 (°C)

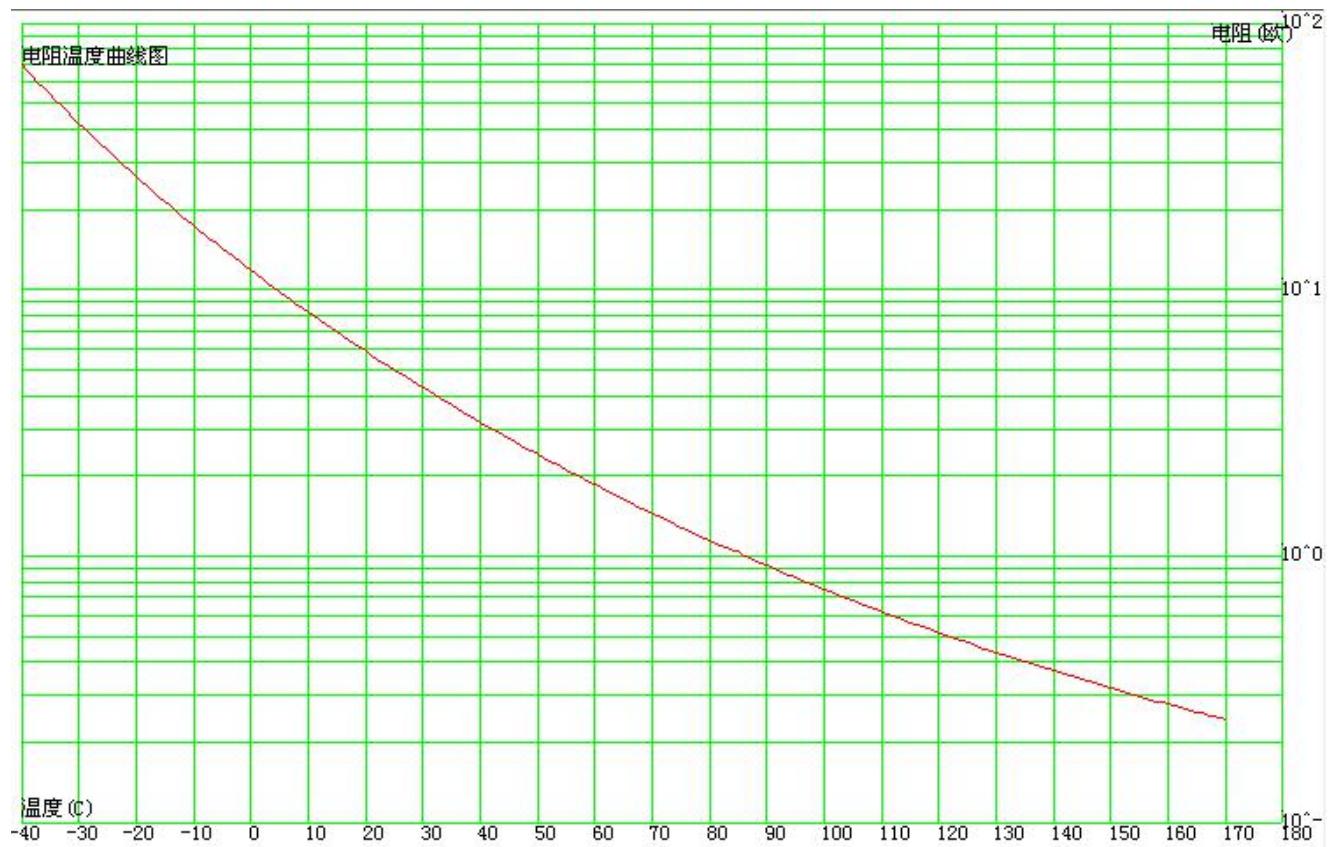


figure 1:Resistance versus temperature

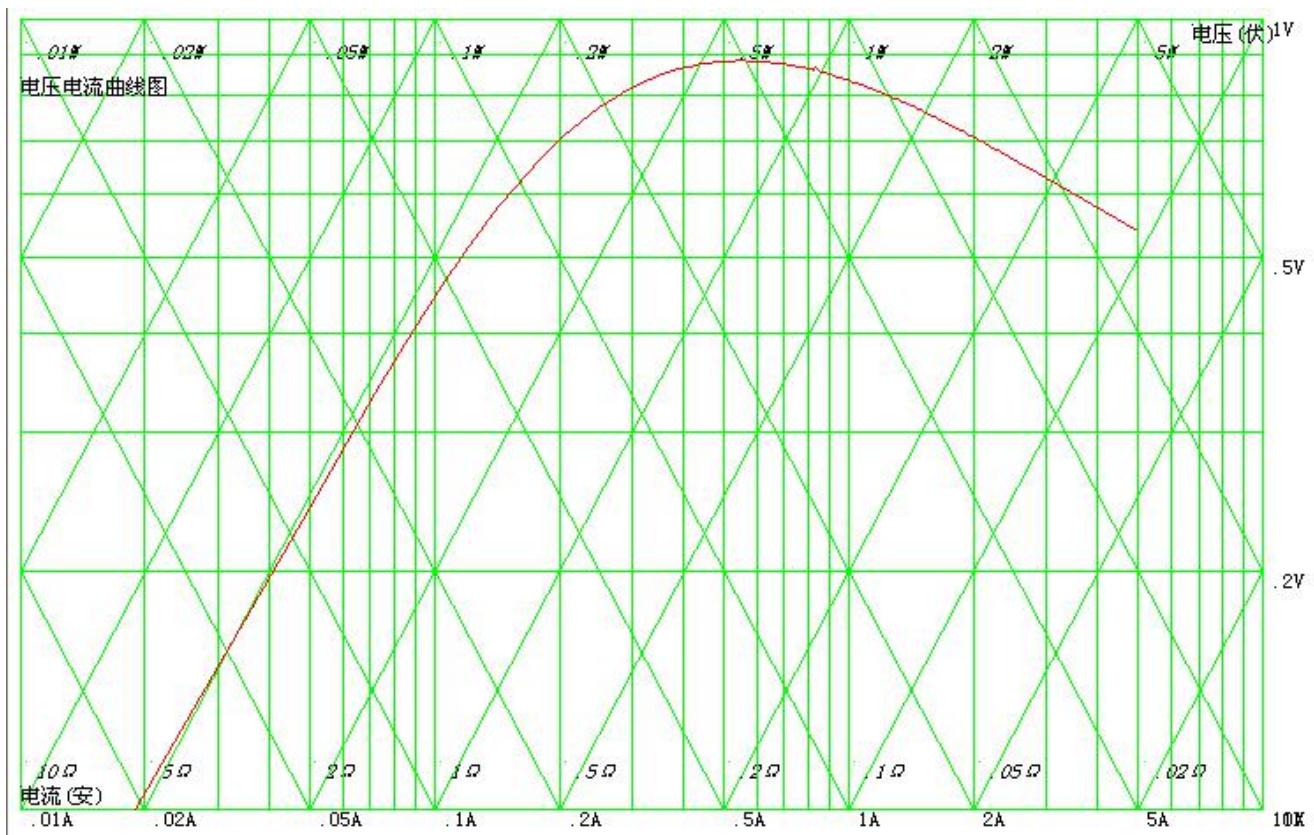


figure 2: Voltage versus current