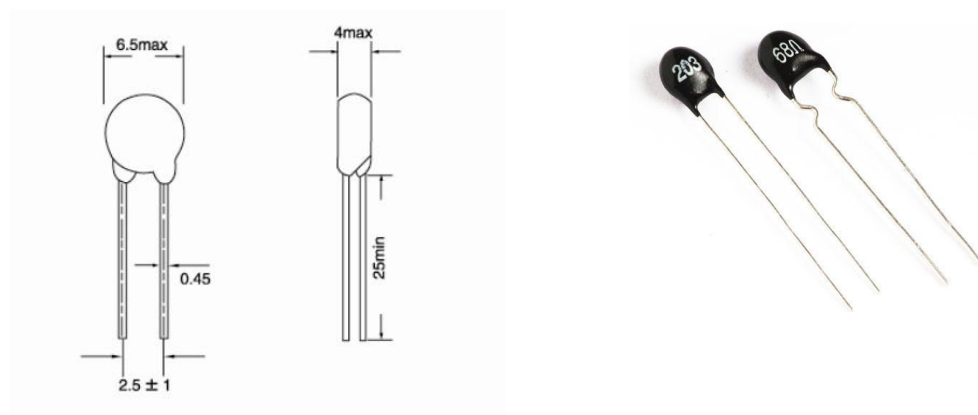


Applications

- ✧ Home appliances (air conditioner, refrigerator, electric fan, washing machine, microwave oven, drinking machine, CTV, radio)
- ✧ Automotive electronics
- ✧ Computers, Digital energy meter
- ✧ Other applications for precise temperature measurement and compensation

Structure:



The table of resistance and B Value

Part No.	Rated zero-power resistance at 25℃		B value (25/50℃)	
	Resistance Range(Ω)	Allowable Tolerance (%)	Rated Value (K)	Allowable Tolerance (%)
MF11	3.3-33	K=±5	2700	J=±5
	6.8-68		2830	
	15-150		2950	
	33-330		3100	
	68-680		3250	
	150-1500		3400	
	330-3300	L=±10	3570	
	680-6800		3740	
	1500-15000		3900	
	3300-33000		4050	
	6800-68000	M=±20	2700	
	15000-150000		2830	
	33000-330000		2950	
	68000-680000		3100	
	150000-5000K		3250	

Electrical Specifications

Parameter	Value
Rated Resistance and Tolerance	See Following Table
B Value and Tolerance	See Following Table
Time constant	≤30s
Thermal Dissipation Coefficient	≥6mW/°C
Testing Power	≤0.5mW
Rated Power	0.5W
Temperature Range	-55~+125°C

Electrical Characteristics

Characteristics	Test Methods
Zero Power Resistance at 25°C	Resistance shall be measured at DC current applied when the self heat generation does not occur at room ambient (25.0±0.2°C)
B Value	After the resistance at 25°C and 85°C respectively are measured, the B Value is calculated by the following equation: $B = \ln(R_{25}/R_{85}) / (1/298.15 - 1/358.15)$ R25= Resistance at 25.0±0.2°C R85= Resistance at 85.0±0.2°C
Thermal Dissipation Constant	Equivalent to the required power to rise temperature of the thermistor up to 1°C in the air and without cooling of airflow. the unit of the constant is mw/°C

CONTACT INFORMATION

Shanghai Ecube-Tech Electronics Technology Co., Ltd.

上海赫品电子科技有限公司

Email: Marketing@ecube-tech.com

Tel:+86 21 50723288

Fax:400 8892 163 Ext. 324988

Address: No.245, Jinan Road, Huangpu Area, Shanghai, 200021, China

Website: www.ecube-tech.com