

Resistors

Precision - Thermosensitive Resistor

TMA / TMB - series



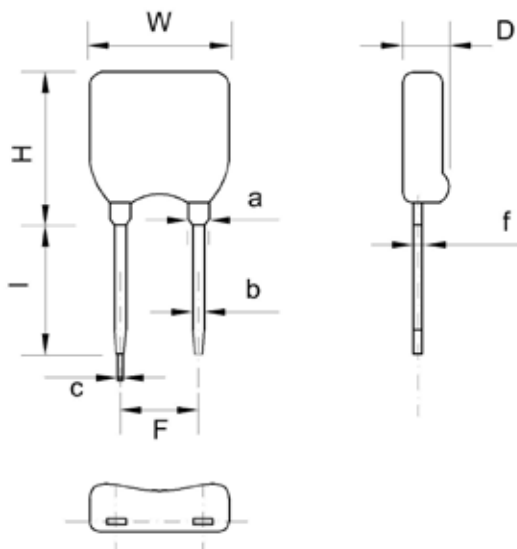
- Metal Foil with Excellent Long Term Stability
- Resistance Values from 5Ω to 1kΩ
- Resistance Tolerances from ±0,5%
- Special Temperature Coefficients to 6590ppm
- Linear Temperature Characteristics
- Quick Response Time
- Customized TCR (Option)

Spezifikation	TMA-1	TMA-2	TMB-1	TMB-2
Resistance Range	5Ω - 100Ω	5Ω - 200Ω	5Ω - 500Ω	5Ω - 1kΩ
Tolerances	±0,5%; ±1%; ±2%; ±5%			
Temperature Coefficient	+4250±1% (0 - 100°C)		+6040±1% (0 - 25°C) +6220±1% (0 - 50°C) +6590±1% (0 - 100°C)	
Power (at 70°C)	0,125	0,25	0,125	0,25

Mechanical Data

Housing	Epoxy, Dipped
Resistance Element	NiCr - Foil
Carrier	AL ₂ O ₃
Leads	Copper, Tin Plated

Technical Drawing



Dimensions

	TMA-1, TMB-1	TMA-2, TMB-2
W	5,6±0,5	
H	6,2±0,5	8,2±0,5
D	2,2±0,5	
F	2,54±0,25	
I	5,0±1,0	
f	0,3±0,05	
a	1,0±0,05	
b	0,65±0,05	
c	0,4±0,05	

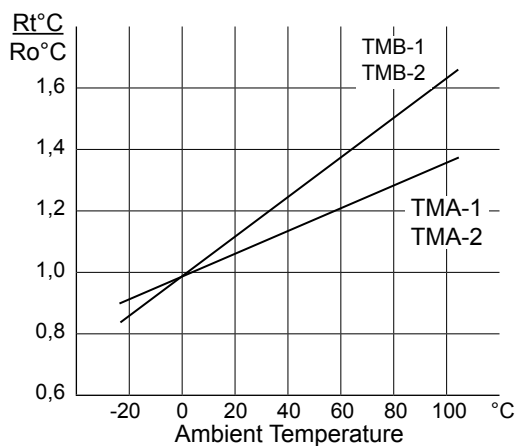
All Dimensions in mm

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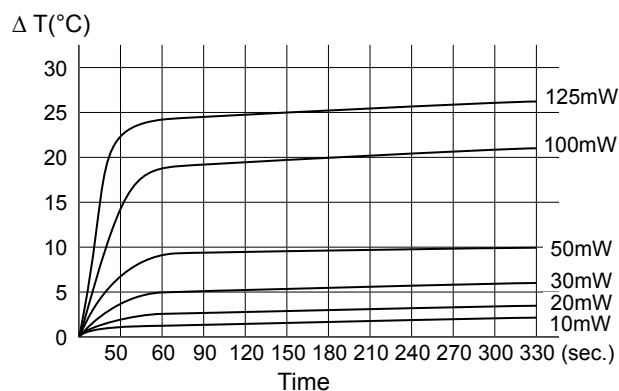
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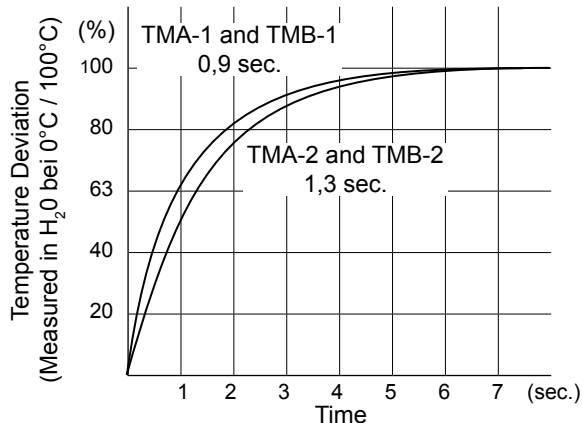
Temperature Characteristics of the Resistor



Resistor Surface Temperature



Response Time (Temperature related)



Ordering Information

TMA-1	W1%	TK50	50R000
Type	Tolerance	Temperature Coefficient	Resistance Value
	0,5%	4250 ppm (5Ω - 1kΩ)	(5Ω - 1kΩ)
	1%	6040 ppm (5Ω - 1kΩ)	
	2%	6220 ppm (5Ω - 1kΩ)	
	5%	6590 ppm (5Ω - 1kΩ)	