

Resistors

Current Sensing Resistor (Shunt)

MST - series

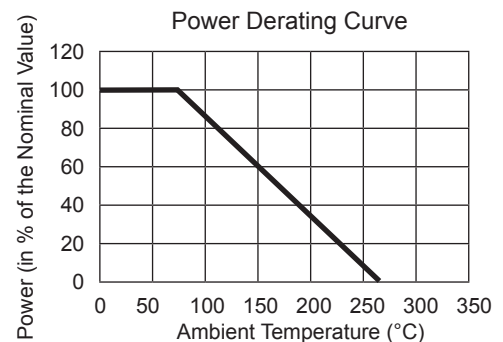


- Bare Metal - Resistor
- Power Rating up to 5Watts
- Any Resistance from 0,005Ω - 0,1Ω
- Tolerances ±1% und ±5%
- Low Inductance <10nH

Specification	MST-1	MST-2	MST-5
Resistance Range	0,005Ω; 0,01Ω; 0,02Ω; 0,025Ω; 0,03Ω; 0,04Ω; 0,01Ω; 0,05Ω; 0,1Ω		
Power	1Watt	3Watt	5Watt
Standard Tolerance	1% and 5%		
Temperature Coefficient	20ppm		
Operating Temperature Range	-55 °C - 270 °C		
Operating Voltage (max.)	$\sqrt{P \times R}$		

Mechanical Data

Resistance Element	Bare Metal Alloy
Leads	Copper, Tin Plated



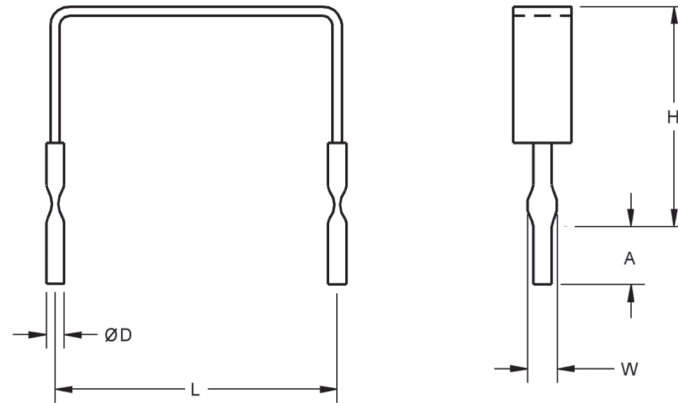
Parameter	Test	
Load Life	90 min ON, 30 min OFF, 1000h at 70°C	±2% ΔR
Shelf Life	-55°C bis +155°C, 1000 Cycles	±0,5% ΔR
Humidity	85°C, 85% RH, 10%, 1000h	±0,5% ΔR
Temperature Cycle	-45°C 30 min. +130°C 1000 Cycles	±1% ΔR
5X Overload (5s)		±0,5% ΔR

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Technical Drawing



Type	L	H	D	W	A
MST-1	11,4 ±0,5	7,6 ±0,8	1 ±0,06	1,65 ±0,2	3,2 ±0,5
MST-2	15,2 ±0,5	25,4 ±0,8	1 ±0,06	1,65 ±0,2	3,2 ±0,5
MST-3	20,3 ±0,5	25,4 ±0,8	1 ±0,06	1,65 ±0,2	3,2 ±0,5

All Dimensions in mm

Packaging

Bulk

MST-1, MST-2, MST-3

250 Pieces / Bag

Ordering Information

MST-1 Type	W1% Resistance Tolerance ±1% ; ±5%	TK20 Temperature Coefficient ±20ppm/K	0R025 Resistance Range (0,005Ω - 0,1Ω)
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Note: All specifications and information in this data sheet are not considering customer's special requirements. All containing information of this data sheet are not a binding description of the product's properties. MEGATRON is not responsible for any damage caused by an improper use of the product. The customer has the responsibility to check the usability of the product in his application. MEGATRON does not guarantee the reproducibility of their publications.