

Resistors

Current Sensing Resistor (Shunt)

MST - series

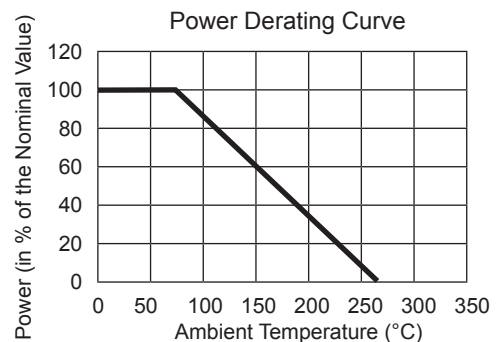


- Bare Metal - Resistor
- Power Rating up to 5Watts
- Any Resistance from 0,005Ω - 0,1Ω
- Tolerances ±1% und ±5%
- Low Inductance <10nH

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



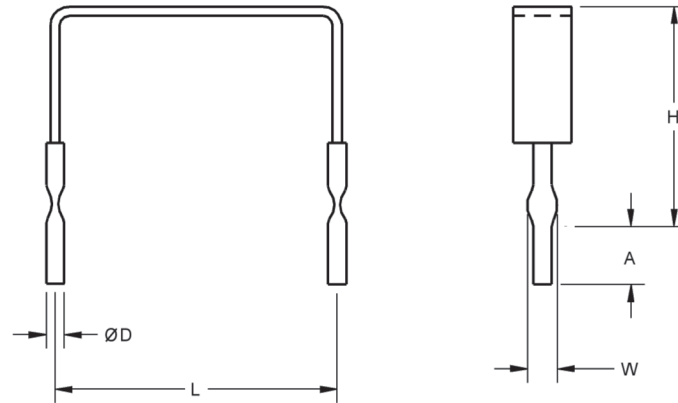
Parameter	Test	
Load Life	90 min ON, 30 min OFF, 1000h at 70°C	±2% ΔR
Shelf Life	-55°C bis +155°C, 1000 Cycles	±0,5% ΔR
Humidity	85°C, 85% RH, 10%, 1000h	±0,5% ΔR
Temperature Cycle	-45°C 30 min. +130°C 1000 Cycles	±1% ΔR
5X Overload (5s)		±0,5% ΔR

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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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