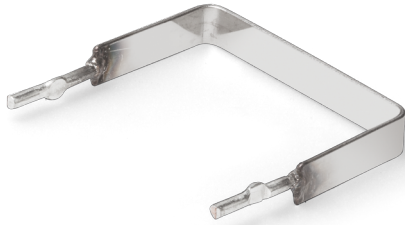


Data Sheet for Precision Resistor

Shunt (bare metal)

Series MST



- Bare Metal - Resistor
- Current sensing resistor
- Power Rating up to 5 Watts @85°C
- Any Resistance from 0,005Ω..0,1Ω
- Resistance tolerances ±1%..±5%
- Low Inductance <10nH

Electrical Specification	MST		
	1	3	5
Resistance range	0,005..0,1Ω		
Resistance tolerance	±1%, ±5%		
Power rating @85°C (0W @ +270°C)	1W	3W	5W
TCR-rate	±20ppm/°C		
Working temperature range (max.)	-55..+270°C		

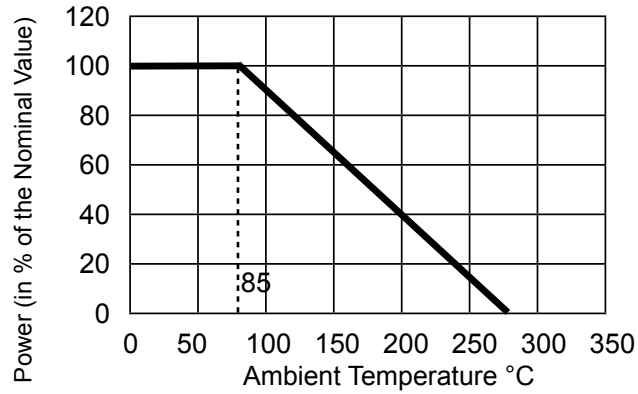
Mechanical Specification	
Resistance technology / material	Bare metal
Housing material	Bare metal
Connections	Axial cooper tinned

Data Sheet for Precision Resistor

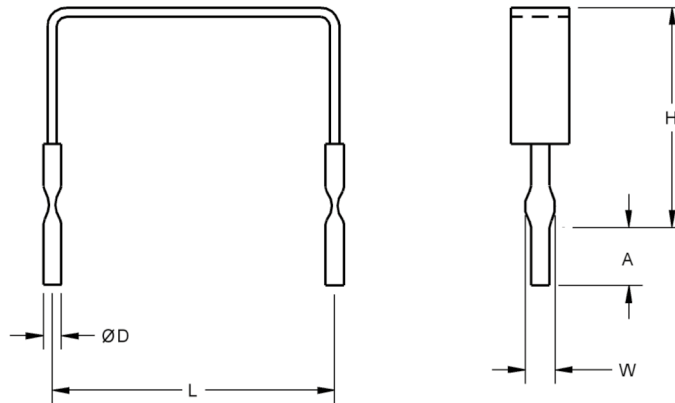
Shunt (bare metal)

Series MST

Power Derating Curve



Technical Drawing



MST	L (+1,0 / -0,5)	H	$\varnothing D$ ($\pm 0,05$)	W ($\pm 0,25$ / -0,13)	A ($\pm 0,8$)
1	11,4	5,1 $\pm 2,5$	1	1,7	3,2
3	15,2	25,4 max.	1	1,7	3,2
5	20,3	25,4 max.	1	1,7	3,2

Dimensions in mm

Packaging

MST

Bulk

250 Pieces / Bulk

Data Sheet for Precision Resistor

Shunt (bare metal)

Series MST

Order code

Description	Selection: standard=black/bold, possible options=grey/cursive				
Series:	MST				
Type / size: 1 with strand distance 11,4 mm 3 with strand distance 15,2 mm 5 with strand distance 20,3 mm		1 2 3			
Resistance tolerance: ±1% ±5%			W1% W5%		
Temperature coefficient: ±20ppm/°C				TK20	
Resistance value: 0,005Ω 0,01Ω 0,015Ω (only MST 3 and 5) 0,02Ω 0,025Ω 0,03Ω 0,04Ω (only MST 1 and 3) 0,05Ω 0,1Ω					R0,005 R0,01 R0,015 R0,02 R0,025 R0,03 R0,04 R0,05 R0,1

Order Example	Series	Type	Resistance tolerance	Temperature coefficient	Resistance value
Choice	MST	3	±1%	20ppm/°C	0,01Ω
Code	MST	3	W1%	TK20	R0,01