



VISHAY INTERTECHNOLOGY, INC.



SINGLE-TURN, MULTI-TURN AND SMD CERMET TRIMMERS

Vishay Sfernice

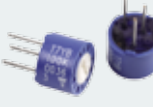
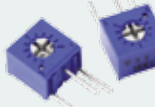
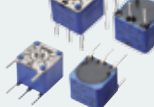
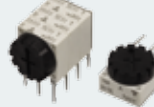
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Cermet Trimmers

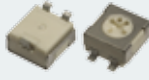
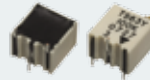
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Single-Turn Cermet Trimmers						
Model						
Package Size	10 mm (3/8") square	7 mm (1/4") diameter	6.35 mm (1/4") square	12 mm (1/2") square	8.5 mm (1/3") diameter	12.5 mm
Resistance Range (ohms)	100 R to 2 MR	10 R to 2.2 MR	10 R to 2 MR	22 R to 10 MR	10 R to 2.2 MR	22 R to 4.7 MR
Standard Resistance Tolerance	±10 %	±20 %	±10 %	±20 %	±10 %	±20 %
TC (ppm/°C) > 100 Ω	±100	±100	±100	±100	±100	±100
Power Rating	0.5 W at 70 °C	0.5 W at 85 °C	0.5 W at 70 °C	1 W at 70 °C	0.5 W at 70 °C	0.5 W at 70 °C
Electrical Travel	270°	270°	240°	270°	270°	270° ±10°
Contact Resistance Variation (CRV)	1 % or 1 Ω	3 % or 3 Ω	1 % or 3 Ω	3 % or 3 Ω	2 % or 1 Ω	2 % Rn or 3 Ω (linear law)
Mechanical Life	200 cycles	200 cycles	200 cycles	200 cycles	200 cycles	2000 cycles
Operating Temperature	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C
Features and Packaging	Top adjust, side adjust, knob adjust, extended rotor, box RoHS COMPLIANT	Top adjust, box, or tube RoHS COMPLIANT	Top adjust, side adjust, tubes, tape and reel RoHS COMPLIANT	Locking device, log law, box RoHS COMPLIANT	Top adjust, side adjust, panel sealed, panel mount with solder lugs, box RoHS COMPLIANT	Industrial grade, up to 5 modules. Switches and detents available. Available in conductive plastic. RoHS COMPLIANT

Model							
Package Size	19 mm (3/4")	19 mm (3/4")	10 mm (3/8")	10 mm (3/8")	6.35 mm (1/4")	10 mm (3/8")	6.35 mm (1/4")
Grade	Industrial	Industrial	Industrial	Industrial	Industrial	Military and Professional	Military and Professional
Resistance Range (ohms)	10 R to 2.2 MR	10 R to 2.2 MR	10 R to 2.2 MR	10 R to 2.2 MR	10 R to 2.2 MR	10 Ω to 2.2 MΩ	10 Ω to 2.2 MΩ
Standard Resistance Tolerance	±10 %	±10 %	±10 %	±10 %	±10 %	±10 %	±10 %
TC (ppm/°C) > 100 Ω	±100	±100	±100	±100	±100	±100	±100
Power Rating	0.5 W at 70 °C	0.5 W at 70 °C	0.5 W at 70 °C	0.5 W at 70 °C	0.25 W at 85 °C	0.5 W at 70 °C	0.25 W at 85 °C
Mechanical Travel	18 turns	18 turns	23 turns	23 turns	15 turns	23 turns	15 turns
Contact Resistance Variation (CRV)	2 % or 1 Ω	2 % or 1 Ω	2 % or 2 Ω	2 % or 2 Ω	2 % or 2 Ω	2 % or 2 Ω	2 % or 2 Ω
Mechanical Life	200 cycles	200 cycles	200 cycles	200 cycles	200 cycles	200 cycles	200 cycles
Operating Temperature	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +155 °C	-55 °C to +155 °C
Features and Packaging	Panel mount, tube	Panel mount, tube	Tube, custom screw on request	Tube, custom screw on request	Tube, custom screw on request	Tube	Tube



SMD Cermet Trimmers						
Model						
Package Size	5 mm (3/4")	5 mm (3/4")	6.85 mm (3/8")	6.85 mm (3/8")	5 mm (13/64")	3.2 mm (1/8")
Grade	Military and Professional	Industrial	Military and Professional	Industrial	Military and Professional	Industrial
Resistance Range (ohms)	10 R to 1 MR	10 R to 1 MR	10 R to 2 MR	10 R to 2 MR	10 R to 1 MR	10 R to 2 MR
Standard Resistance Tolerance	±10 %	±20 %	±10 %	±10 %	±10 %	±20 %
TC (ppm/°C) > 100 Ω	±100	±100	±100	±100	±100	±150
Power Rating	0.25 W at 70 °C	0.25 W at 70 °C	0.25 W at 85 °C	0.25 W at 85 °C	0.25 W at 85 °C	0.125 W at 70 °C
Mechanical Travel	270°	270°	15 turns	15 turns	13 turns	250°
Contact Resistance Variation (CRV)	1 % or 3 Ω	1 % or 3 Ω	2 % or 2 Ω	2 % or 2 Ω	2 % or 3 Ω	3 % or 3 Ω
Mechanical Life	100 cycles	100 cycles	200 cycles	200 cycles	100 cycles	50 cycles
Operating Temperature	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C	-55 °C to +125 °C
Features and Packaging	J-hook and gull wing, tape and reel RoHS COMPLIANT	J-hook and gull wing, tape and reel RoHS COMPLIANT	Tube, tape and reel  RoHS COMPLIANT	Tube, tape and reel RoHS COMPLIANT	J-hook and gull wing, top adjust, side adjust, tape and reel RoHS COMPLIANT	Tape and reel RoHS COMPLIANT



Cermet Trimmers

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Single-Turn Cermet Trimmers

- Various electrical travel
- Top and side adjust versions
- 10 Ω to 10 M Ω resistance range
- Various pin styles
- Tube, tape and reel options

Multi-Turn Cermet Trimmers

- Various electrical travel
- Top and side adjust versions
- 10 Ω to 2.2 M Ω resistance range
- Tube packaging

SMD Cermet Trimmers

- Military and professional grade
- Multi-turn and single-turn options
- Fully-sealed trimmers
- Tape and reel, tube packaging

SEMICONDUCTORS:

Rectifiers • High-Power Diodes and Thyristors • Small-Signal Diodes • Zener and Suppressor Diodes
• FETs • RF Transistors • Optoelectronics • ICs • Modules and Assemblies

PASSIVE COMPONENTS:

Resistive Products • Magnetics • Capacitors • Strain Gage Transducers and Stress Analysis Systems



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