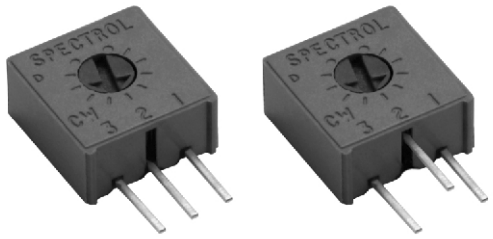
3/8" Square (10 mm) Single-Turn Cermet Trimmer



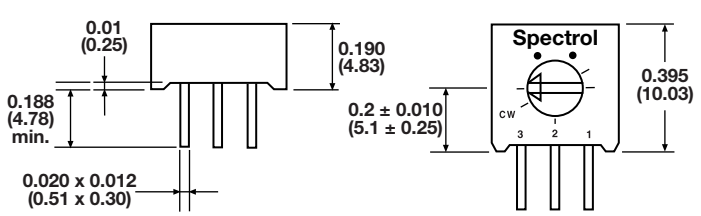
The Model 63 cermet trimmer is available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi-finger wiper and the standard resistance range is between 100 Ω and 2 MΩ with a tolerance of ± 10 %.

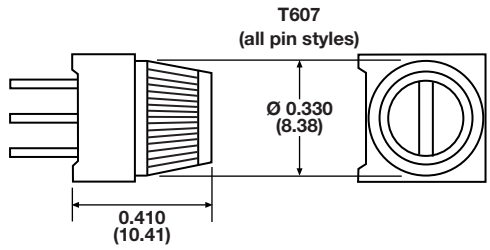
FEATURES

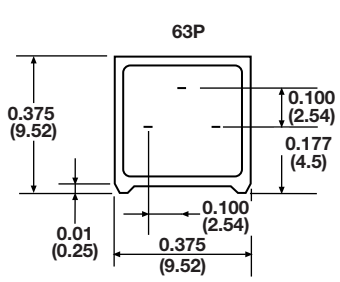
- Arrow and graduations for repeatable settings
- "O" ring seal for solvent and aqueous washing
- Rigid board mounting achieved with pins secured in housing
- Multi-finger wiper for better contact resistance
- Solid end stop
- Tests according to CECC 41000 or IEC 60393-1
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

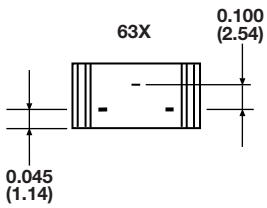
RoHS COMPLIANT

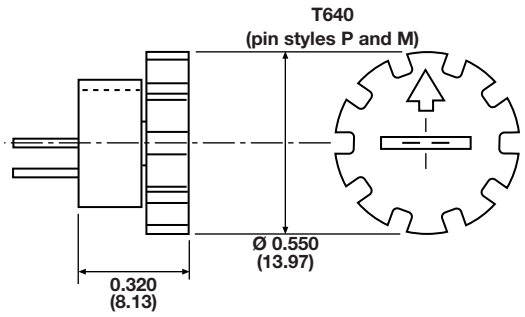
DIMENSIONS in inches (millimeters) ± 0.02" (0.5 mm)

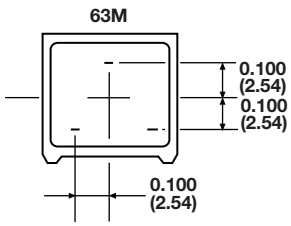


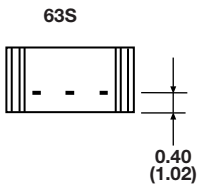


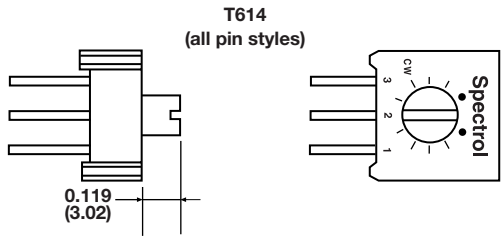












For technical questions, contact: sfer@vishay.com

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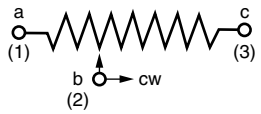
ELECTRICAL SPECIFICATIONS	
Effective travel	270° nominal
Resistance range	100 Ω to 2 MΩ
Resistance tolerance	± 10 %
End resistance	2 Ω or 1 % whichever is greater
Temperature coefficient of resistance (typical)	± 100 ppm/°C
Power rating	0.5 W at + 70 °C derated linearly to 0 W at 125 °C maximum voltage not to exceed 250 V
Circuit diagram	
Dielectric withstand voltage	1000 V_{AC} at sea level; 250 V_{AC} at 80 000 ft (24 000 m)
Insulation resistance (500 V_{DC})	1000 MΩ minimum
Contact resistance variation	1 % or 1 Ω , whichever is greater

MECHANICAL SPECIFICATIONS	
Mechanical travel	300° ± 50
Starting torque	35 mNm max.
Weight	0.03 oz. (0.85 g) max.
Resistance element	Cermet
2 terminal adjustability	± 0.15 % of RT
3 terminal adjustability	± 0.05 % of applied voltage
Terminals	Pure Sn (code e3)

ENVIRONMENTAL SPECIFICATIONS	
Temperature range	- 55 °C to + 125 °C
Climatic category	55/125/21
Sealing	IP64

PERFORMANCES

TESTS	CONDITIONS	MAX. (R)	CHANGE PER CECC		PER IEC	PER MIL
			V_{AB}/V_{AC}	41100		
Vibration	98 m/s², 10 Hz to 500 Hz	1 %	2 %	(PARA 2.3.2)	Test FC (IEC 6-2-6)	Method 204
Electrical endurance	1000 h	3 %	-	(PARA 2.5.16)	-	No equiv.
Soldering	-	-	-	(PARA 2.3.7)	Test TB (IEC 68-2-20)	Method 208
Resistance to heat	-	1 %	-	(PARA 2.3.7)	Test B (IEC 68-2-20A)	Method 210
Damp heat steady state	21 days	3 %	-	(PARA 2.1)	Test C (IEC 68-2-3)	Method 103
Mechanical life	200 cycles	3 %	-	-	Method 2	-
Terminal strength	2.2 lbs. (1 kg)	min.	-	-	-	-

MARKING

- Vishay trademark
- Model
- Resistance value
- Tolerance
- Date code
- Terminal identification

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PACKAGING

- In box of 200 pieces code B40 (BO200)
- On request :
  In box of 100 pieces code B30 (BO100)
  In tube of 50 pieces code T20 (TU50)

ORDERING INFORMATION (Part Number)

M	6	3	P	2	0	1	K	B	4	0	T	6	0	7

Model	STYLE	OHMIC VALUE	TOLERANCE	PACKAGING CODE	SPECIAL NUMBER
M63	**P** **M** **X** **S**	From 100 Ω to 2 MΩ **201** = 200R	**K** = 10 %	**B40 =** Box 200 pieces On request: **B30 =** Box 100 pieces **T20** = Tube 50 pieces	(If applicable) Given by Vishay for custom design

DESCRIPTION (for information only)

63	P	200U	10 %	T607	BO200	e3
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD FINISH

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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

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