

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



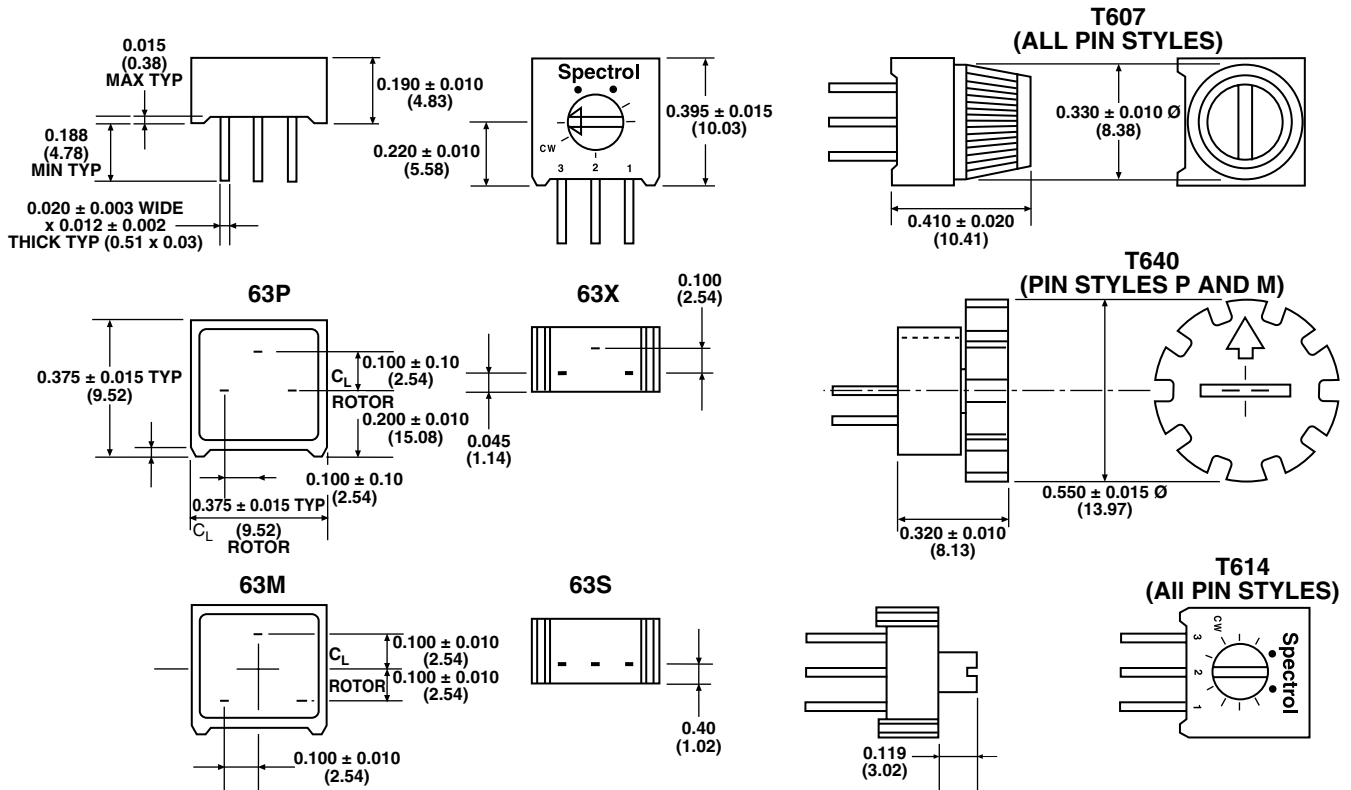
The Model 63 cermet trimmer manufactured in Europe is readily available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi finger wiper and the standard resistance range is between 100 Ω and 2 MΩ with a tolerance of ± 10 %. This sealed (IEC 68-2-17) single turn trimmer is continuing to provide excellent performance as the industry standard across a broad spectrum of applications.

FEATURES

- Arrow and graduations for repeatable settings
- "O" ring seal for solvent and aqueous washing
- I.C. style pins for easy PCB assembly
- Rigid board mounting achieved with pins secured in housing
- Solder plated terminals for good solderability
- High temperature soldered terminations for high reliability
- Multi-finger wiper for better contact resistance
- Solid end stop
- Flame retardant housing to U_L rated VO

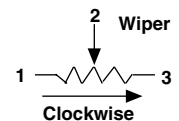


DIMENSIONS in inches (millimeters)



Tolerances unless otherwise specified ± 0.015 (0.38)

CIRCUIT DIAGRAM





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	100 ppm/°C. 100 Ω thru to 2 MΩ 0 to + 250 ppm/°C below 100 Ω
Power Rating	0.5 W at 70 °C derated linearly to 0 W at 125 °C Maximum voltage not to exceed 300 V
Dielectric Withstanding Voltage	1000 V _{AC} at sea level; 250 V _{AC} at 80 000 ft (24 000 meters)
Insulation Resistance (500 V _{DC})	1000 MΩ minimum
Contact Resistance Variation	1 % or 1 Ω, whichever is greater

MECHANICAL SPECIFICATIONS	
Stop Strength	Solid
Starting Torque	35 mNm maximum
Weight	0.03 oz (0.85 g) maximum
Resistance Element	Cermet
2 Terminal Adjustability	± 0.15 % of RT
3 Terminal Adjustability	± 0.05 % of applied voltage

ENVIRONMENTAL SPECIFICATIONS						
		MAX (R)	CHANGE PER CECC		PER IEC 68.1 PART 1202F	PER MIL
			$\frac{V_{AB}}{V_{AC}}$	41 100		
Temperature Range	- 55 °C to + 125 °C	2 %	1 %	(PARA 2.3.6)	TEST NA (IEC 68 - 2 - 14)	METHOD 107
Bumps	390 m/s ² , 4000	1 %	-	(PARA 2.3.3)	TEST EB (IEC 68 - 2 - 29)	NO EQUIV
Vibration	98 m/s ² , 10 to 500 Hz	1 %	2 %	(PARA 2.3.2)	TEST FC (IEC 68 - 2 - 6)	METHOD 204
Electrical Endurance	1000 hours	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 TB (IEC 68 - 2 - 20A)	METHOD 210
Damp Heat Steady State	21 days	3 %	-	(PARA 2.1)	TEST C (IEC 68 - 2 - 3)	METHOD 103
Sealing	85 °C for 1 minimum	-	-	AS IEC	TEST QC (IEC 68 - 2 - 17)	METHOD 112
Mechanical Life	200 cycles	3 %	-	-	METHOD 2	-
Terminal Strength	2.2 lbs (1 kg)	min	-	-	-	-

MARKING

Unit Identification: Manufacturer's name and model number, resistance value, tolerance, date code and terminal identification

ORDERING INFORMATION				
63	P	T607	201	e3
MODEL	PIN STYLE	SPECIAL (OMIT IF STANDARD)	EIA RESISTANCE VALUE	LEAD FINISH
	P, M, X, S	T607 - Knob adjust* T640 - Knob adjust* T614 - Extended rotor* *see drawing		e3: pure Sn

SAP PART NUMBERING GUIDELINES														
M	6	3	P	2	0	1	K	B	4	0	T	6	0	7
MODEL			STYLE	OHMIC VALUE			TOL	PACKAGING CODE			SPECIAL (IF APPLICABLE)			
See the end of this data book for conversion tables														



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.