

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



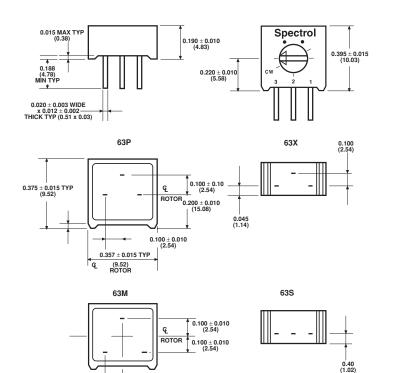
The Model 63 cermet trimmer manufactured in Europe is readily available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi finger wiper and the standard resistance range is between 10Ω and $2 M\Omega$ with a tolerance of $\pm 10\%$. 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.

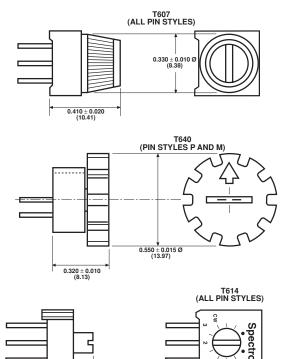
DIMENSIONS in inches (millimeters)

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 UL Rated VO

0.119 (3.02)





TOLERANCES: ± 0.015 (0.38) EXCEPT WHERE NOTED

0.100 ± 0.010 (2.54)

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



ELECTRICAL SPECIFICATIONS	
Effective Travel	270° nominal
Resistance Range	10Ω to 2MΩ
Resistance Tolerance	± 10%
End Resistance	2Ω or 1%, whichever is greater
Temperature Coefficient of Resistance	100ppm/°C. 100Ω thru to 2MΩ 0 to + 250ppm/°C below 100Ω
Power Rating	0.5 watts at 70°C derated linearly to zero watts at 125°C Maximum voltage not to exceed 300V
Dielectric Withstanding Voltage	1000VAC at sea level; 250VAC at 80,000 ft (24,000 meters)
Insulation Resistance	1000MΩ minimum
Contact Resistance Variation	1% or 1 Ω , whichever is greater

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

ENVIRONMENTAL SPECIFICATIONS						
			CHANGE PER CECC			
		MAX (R)	V _{AB} V _{AC}	41100	PER IEC 68.1 PART 1202F	PER MIL
Temperature Range	- 55°C to + 125°C	2%	1%	(PARA 2.3.6)	TEST NA (IEC 68 - 2 - 14)	METHOD 107
Bumps	390m/s ² , 4000	1%	-	(PARA 2.3.3)	TEST EB (IEC 68 - 2 - 29)	NO EQUIV
Vibration	98m/s ² , 10 to 500 Hz	1%	2%	(PARA 2.3.2)	TEST FC (IEC 68 - 2 - 6)	METHOD 204
Electrical Endurance	1000 Hour	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 METHOD 1A
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	2.2lbs (1Kg)	min	-	-	-	-

63



MARKING

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

ION		
Р	T607	201
PIN STYLE	SPECIAL (OMIT IF STANDARD)	EIA RESISTANCE VALUE
P, M, X, S	T607 - Knob adjust (see drawing) T640 - Knob adjust (see drawing) T614 - Extended rotor (see drawing)	
	P PIN STYLE	PT607PIN STYLESPECIAL (OMIT IF STANDARD)P, M, X, ST607 - Knob adjust (see drawing) T640 - Knob adjust (see drawing)

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 SPECIAL CODE (IF APPLICABLE)				
See the end of this data book for conversion tables					

63



Vishay

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.