

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



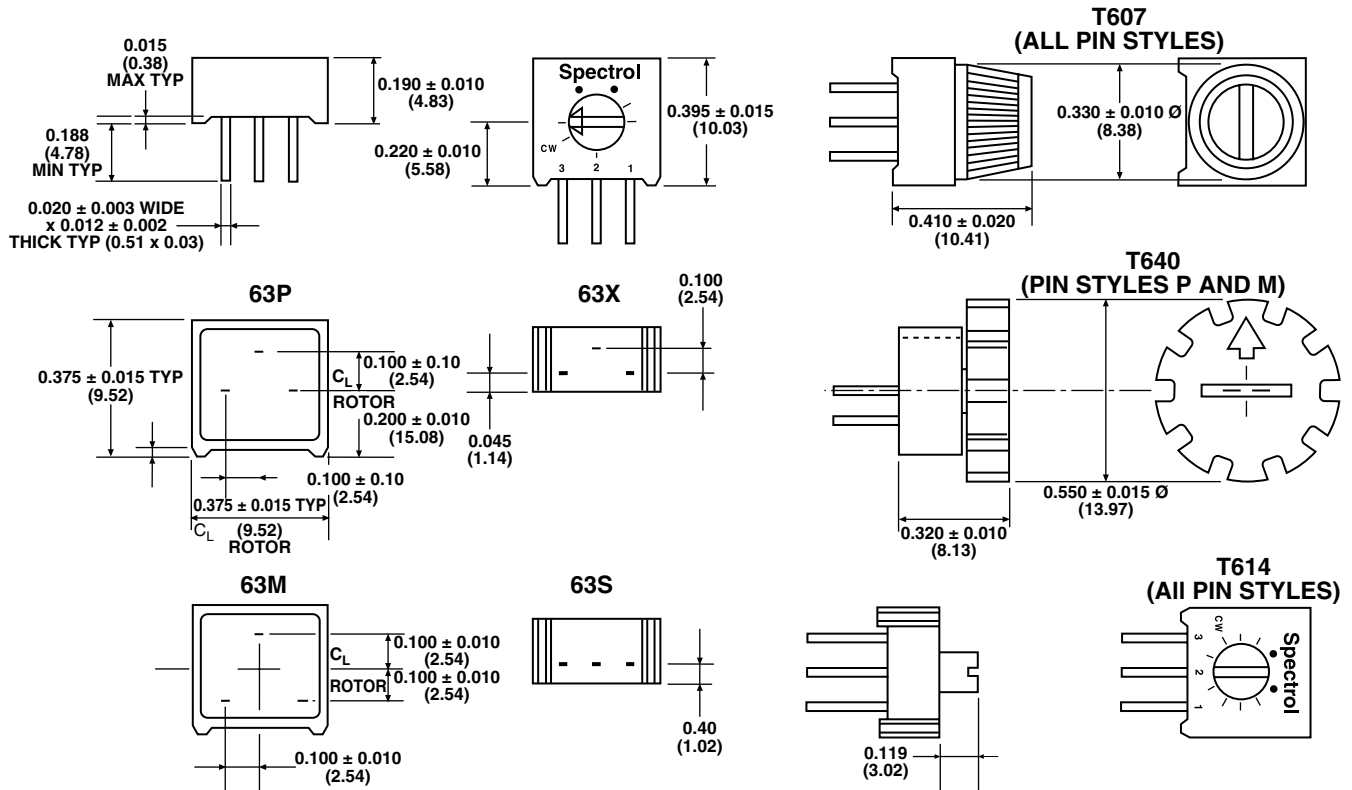
The Model 63 cermet trimmer manufactured in Europe is readily available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi finger wiper and the standard resistance range is between 100 Ω and 2 MΩ with a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

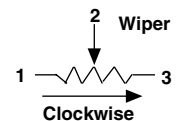


DIMENSIONS in inches (millimeters)



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														