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

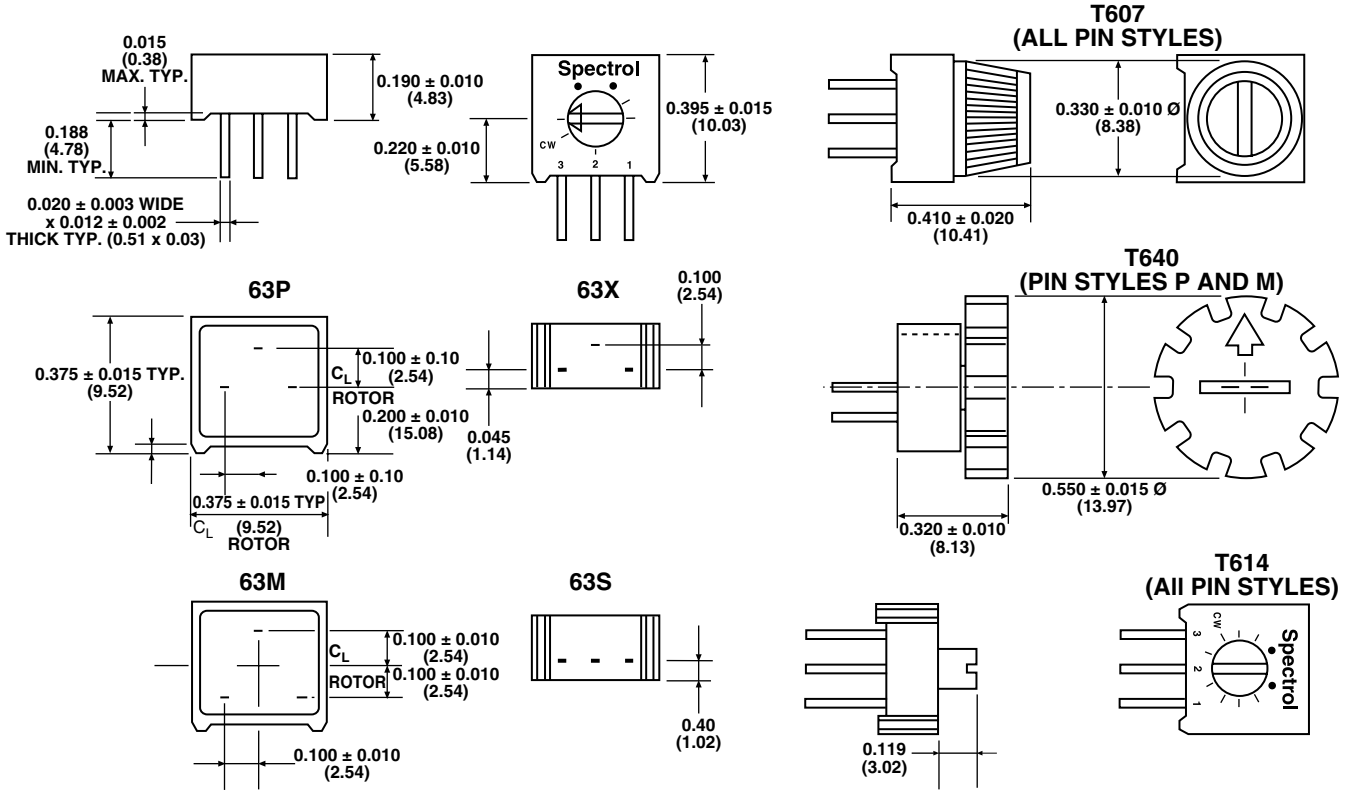
The Model 63 cermet trimmer manufactured in Europe is readily available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi finger wiper and the standard resistance range is between 100 Ω and 2 MΩ with a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

FEATURES

RoHS COMPLIANT

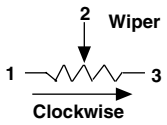
- Arrow and graduations for repeatable settings
- "O" ring seal for solvent and aqueous washing
- I.C. style pins for easy PCB assembly
- Rigid board mounting achieved with pins secured in housing
- Solder plated terminals for good solderability
- High temperature soldered terminations for high reliability
- Multi-finger wiper for better contact resistance
- Solid end stop
- Test according to CECC 41 000

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 (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
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 SPECIFICATION	
Temperature Range	- 55 °C to + 125 °C
Climatic Category	55/125/21
Sealing	Fully sealed container IP67

PERFORMANCES

TEST	CONDITIONS	MAX. (R)	CHANGE PER CECC		PER IEC	PER MIL
			$\frac{V_{AB}}{V_{AC}}$	41 100		
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 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 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
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 (Part Number 15 digits)

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

MODEL	STYLE	OHMIC VALUE	TOLERANCE	PACKAGING CODE	SPECIAL NUMBER
	P **M** **X** **S**	From 100 Ω to 2 MΩ **201** = 200 Ω	**K** = 10 %	**B40** = Box 200 pieces **B30** = Box 100 pieces	(If applicable) Given by VISHAY for custom designer

PART NUMBER DESCRIPTION (for information only)

63	P	200U	10 %	T607	BO200	e3
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD (Pb)-FREE

Disclaimer

All product specifications and data are subject to change without notice.

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