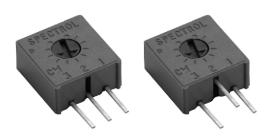
Vishay Spectrol

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 M Ω with a tolerance of \pm 10 %.

FEATURES



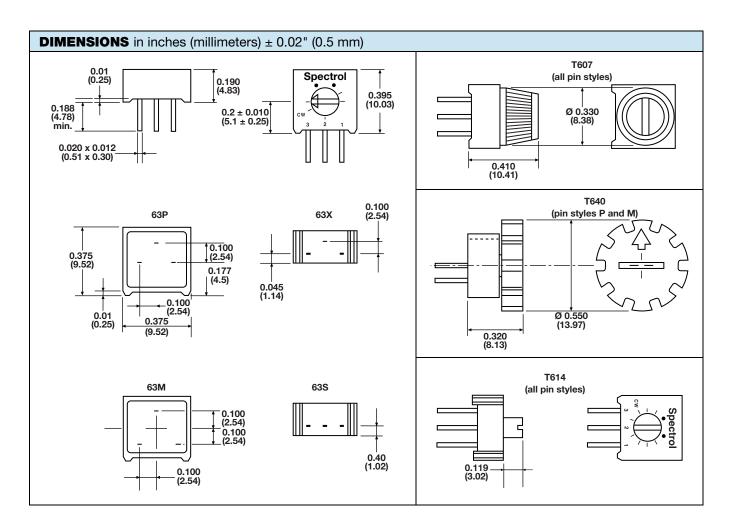


• "O" ring seal for solvent and aqueous washing

Rigid board mounting achieved with pins secured in housing

RoHS COMPLIANT

- 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





Vishay Spectrol

ELECTRICAL SPECIFICATIONS				
Effective travel	270° nominal			
Resistance range	100 Ω to 2 M Ω			
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	$ \begin{array}{c} \overset{a}{\circ} - \bigvee & & -\overset{c}{\circ} \\ \overset{b}{\circ} - & cw \end{array} $			
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	PER IEC	PEN WILL		
Vibration	98 m/s ² , 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

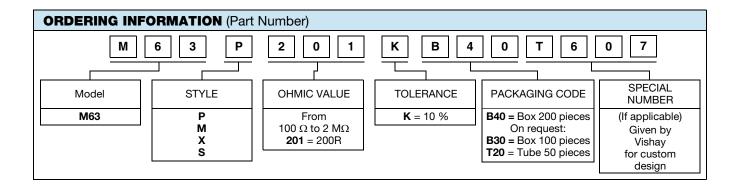
- Vishay trademark
- Model
- Resistance value
- Tolerance
- Date code
- Terminal identification

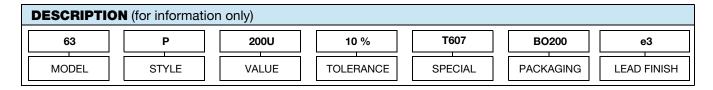


Vishay Spectrol

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)







Legal Disclaimer Notice

Vishay

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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.

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