



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

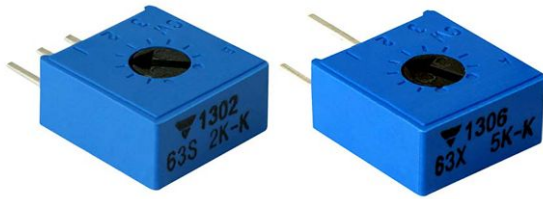
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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



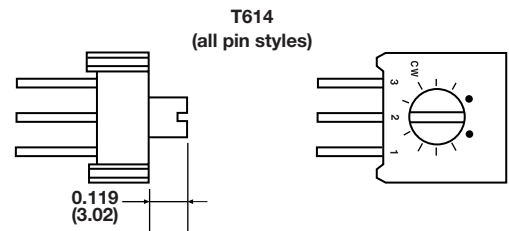
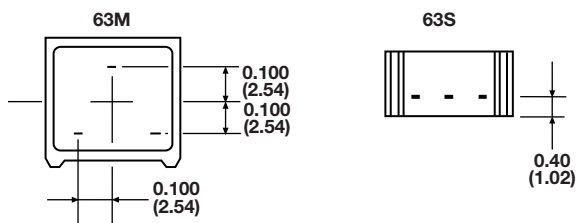
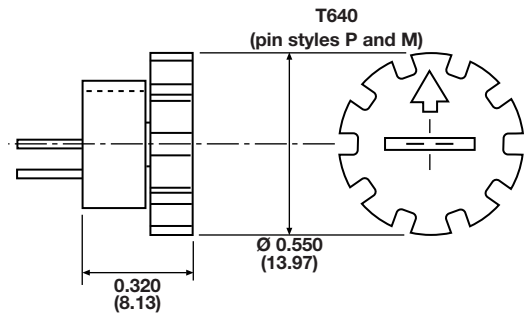
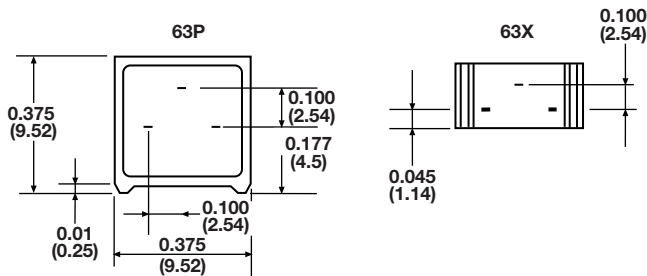
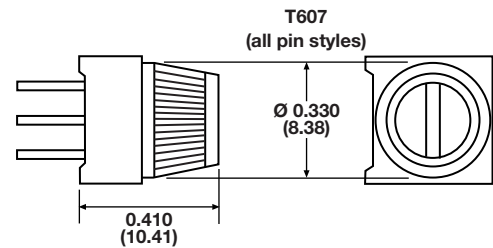
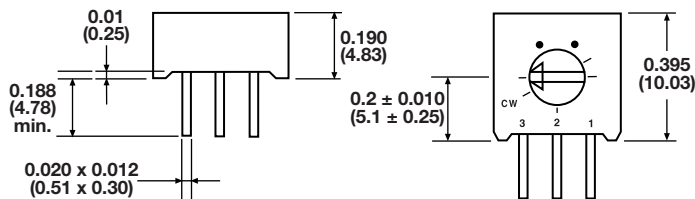
The Model 63 cermet trimmer is available in several pin configurations for top or side adjustment and with a choice of Knob styles for finger setting. Quick adjustment is achieved with multi-finger wiper and the standard resistance range is between 100 Ω and 2 MΩ with a tolerance of ± 10 %.

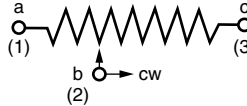
### FEATURES

- Arrow and graduations for repeatable settings
- "O" ring seal for solvent and aqueous washing
- Rigid board mounting achieved with pins secured in housing
- 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](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### DIMENSIONS in inches (millimeters) ± 0.02" (0.5 mm)



<b>ELECTRICAL SPECIFICATIONS</b>	
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
Circuit diagram	
Dielectric withstand voltage	1000 V <sub>AC</sub> at sea level; 250 V <sub>AC</sub> at 80 000 ft (24 000 m)
Insulation resistance (500 V <sub>DC</sub> )	1000 MΩ minimum
Contact resistance variation	1 % or 1 Ω, whichever is greater

<b>MECHANICAL SPECIFICATIONS</b>	
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)

<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Temperature range	-55 °C to +125 °C
Climatic category	55/125/21
Sealing	IP64

<b>PERFORMANCES</b>						
TESTS	CONDITIONS	MAX. (R)	CHANGE PER CECC		PER IEC	PER MIL
			V <sub>AB</sub> /V <sub>AC</sub>	41100		
Vibration	98 m/s <sup>2</sup> , 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.	-	-	-	-

**Note**

- Nothing stated herein shall be construed as a guarantee of quality or durability.

<b>MARKING</b>
<ul style="list-style-type: none"> <li>• Vishay trademark</li> <li>• Model</li> <li>• Resistance value</li> <li>• Tolerance</li> <li>• Date code</li> <li>• Terminal identification</li> </ul>



PACKAGING
<ul style="list-style-type: none"> <li>In box of 200 pieces code B40 (BO200)</li> <li>On request :               <ul style="list-style-type: none"> <li>In box of 100 pieces code B30 (BO100)</li> <li>In tube of 50 pieces code T20 (TU50)</li> </ul> </li> </ul>

ORDERING INFORMATION (Part Number)														
M	6	3	P	2	0	1	K	B	4	0	T	6	0	7
Model	STYLE		OHMIC VALUE			TOLERANCE		PACKAGING CODE			SPECIAL NUMBER			
M63	P M X S		From 100 Ω to 2 MΩ 201 = 200R			K = 10 %		B40 = box 200 pieces On request: B30 = box 100 pieces T20 = tube 50 pieces			(If applicable) Given by Vishay for custom design			

DESCRIPTION (for information only)						
63	P	200U	10 %	T607	BO200	e3
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD FINISH

RELATED DOCUMENTS	
<b>APPLICATION NOTES</b>	
Potentiometers and Trimmers	<a href="http://www.vishay.com/doc?51001">www.vishay.com/doc?51001</a>
Guidelines for Vishay Sfernice Resistive and Inductive Components	<a href="http://www.vishay.com/doc?52029">www.vishay.com/doc?52029</a>



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