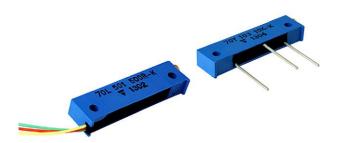




1 1/4" Rectangular Multi-Turn Cermet Trimmer

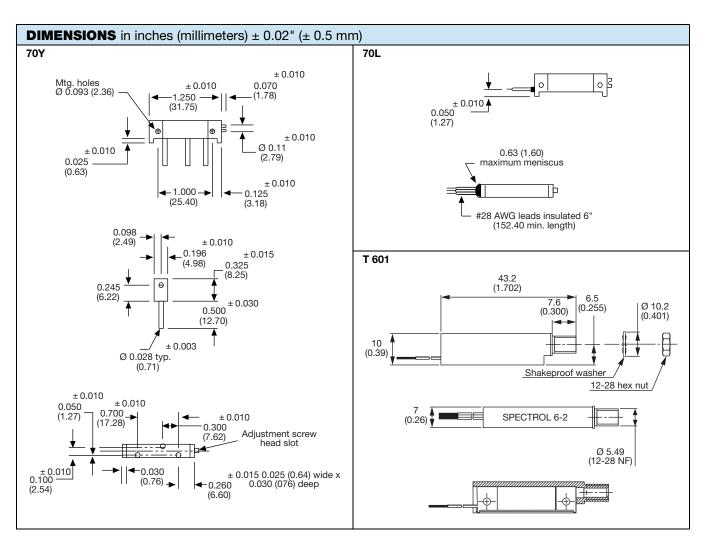


FEATURES

- 0.5 W at 70 °C
- Unique "T" slider block design



- · Wire leads available
- CRV of 3 % or 3 Ω
- RT tolerance ± 10 % STD (± 5 % available)
- Tests according to CECC 41000 or IEC 60393-1
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>



Vishay Spectrol

ELECTRICAL SPECIFICATIONS			
Resistance range	10 Ω thru 2 M Ω		
Standard resistance tolerance	10 %		
End resistance	2 % maximum		
Actual effective electrical travel	20 turns nominal		
Contact resistance variation	3 % or 3 Ω, whichever is greater		
Dielectric withstanding voltage	1000 V _{AC} at sea level, 350 V _{AC} at 80 000 feet (24 400 meters)		
Insulation resistance	1000 ΜΩ		
Power rating	0.5 W at 70 °C 0.6 0.5 0.7 0.7 0.7 0.7 0.7 0.7 0.7		
Circuit diagram	$ \begin{array}{ccc} a & & & & c \\ & & & & \\ (1) & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & $		
Limiting element voltage	350 V		
Temperature coefficient of resistance (typical)	± 100 ppm/°C		

MECHANICAL SPECIFICATIONS			
Operating torque 5 oz. in (3.60 Ncm) maximum			
Rotational life	200 cycles with loaded circuit, maximum change in resistance 2 % or 500 cycles without discontinuity unloaded		
Weight	0.116 oz. (3.3 g) maximum		
Terminals	Pure Sn (code e3)		

Note

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

ENVIRONMENTAL SPECIFICATIONS		
Operating temperature range -55 °C to +125 °C (100 °C for leadwire style)		
Terminal strength	2 lbs (9 N) minimum push/pull	
Sealed	All units sealed to permit cleaning in common solvents immersion	
Climatic category M70Y: 55/125/21 M70L: 55/100/21		

PERFORMANCES				
TESTS	CONDITIONS	TYPICAL VALUES AND DRIFTS		
	CONDITIONS	$\Delta R_{T}/R_{T}$ (%)	$\Delta R_{1-2}/R_{1-2}$ (%)	
Thermal shock	-55 °C to +125 °C, 5 cycles (100 °C for leadwire style)		1 %	
Shock	50 g at 11 ms, 3 successive shocks in 3 directions	1 %	1 %	
Vibration	10 Hz to 55 Hz 0.75 mm or 10 g for 6 h	1 %	1 %	
Load life	1000 h at rater power 90'/30'	1 %	5 %	
High temperature exposure	+125 °C (100 °C for leadwire style)	1 %	5 %	
Resistance to solder heat	350 °C for 3 s	1 %	-	



www.vishay.com

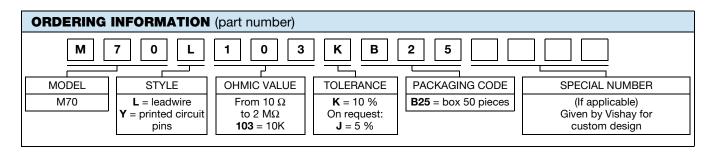
Vishay Spectrol

MARKING

- Model
- Ohmic value
- Tolerance
- Circuit diagram
- · Manufacturing date

PACKAGING

In box of 50 pieces code B25 (BO50)



DESCRIPTION (for information only)						
70	L	10K	10 %		BO50	e3
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD (Pb)-FREE

RELATED DOCUMENTS		
APPLICATION NOTES		
Potentiometers and Trimmers	www.vishay.com/doc?51001	
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029	

ACCESSORIES	
Screwdrivers (to order separately)	www.vishay.com/doc?57015



Legal Disclaimer Notice

Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.