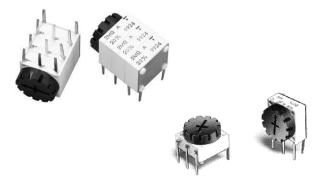
COMPLIANT

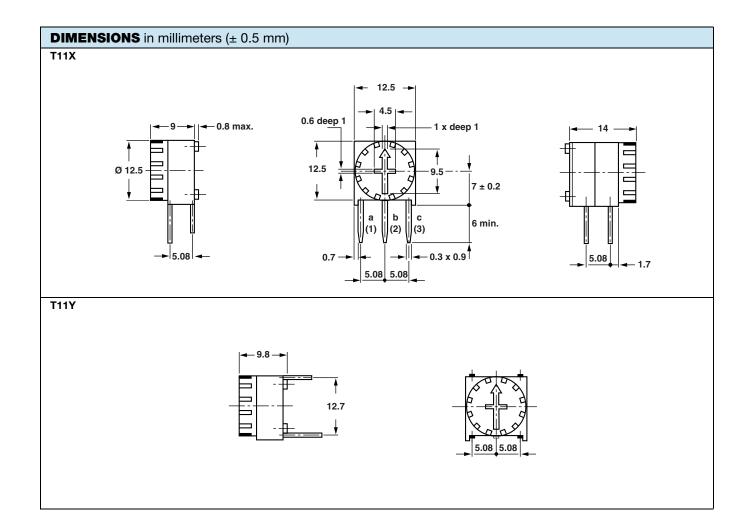


12.5 mm Square Modular Single-Turn Cermet Trimmer



FEATURES

- Knob included
- 0.5 W at 70 °C
- · Industrial grade
- Up to 5 modules
- Switches and detents available
- Tests according to CECC 41000 or IEC 60393-1
- Available in conductive plastic
- High rotational life up to 2000 cycles
- · X and Y styles
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





ELECTRICAL SPECIFICATIONS					
Resistive element	Cermet				
Electrical travel	270° ± 10°				
Resistance range	22 Ω to 4.7 M Ω				
Standard series E3	1 - 2.2 - 4.7 and on request 1 - 2 - 5				
Tolerance Standard	± 20 %				
On request	± 5 % or ± 10 %				
Linear	0.5 W at +70 °C				
Power rating Logarithmic laws, L, F, or S and ganged elements	0.25 W at +70 °C				
Power rating chart	0.75 No.50 0.50 0.25 0.25 0.20 40 60 70 80 100 125 140 AMBIENT TEMPERATURE IN °C				
Circuit diagram	$ \begin{array}{c} a \\ \bigcirc \\ (1) \end{array} $ $ \begin{array}{c} c \\ \bigcirc \\ b \\ \downarrow \\ \end{array} $ $ \begin{array}{c} c \\ (3) \end{array} $				
Resistance laws	90 % Vs $_{\overline{Ve}}$ % 50 % 10 % $_{\overline{Ce}}$ Electrical travel 270° Mechanical travel 300°				
Temperature coefficient (for $R_n \ge 100 \Omega$) (typical)	± 100 ppm/°C				
Limiting element voltage	350 V				
Contact resistance variation	2 % Rn or 3 Ω (linear law)				
End resistance (typical)	2 Ω				
Independent linearity (typical)	± 3 % (linear law)				
Middle keying point (C V1M typical)	± 3 %				
Insulation resistance	10 ⁶ MΩ (500 V _{DC})				
Dielectric strength (RMS)	1500 V _{RMS}				

MECHANICAL SPECIFICATIONS				
Mechanical travel	300° ± 5°			
End stop torque (max. Ncm)	35			
Mechanical life	2000 cycles			
Terminals	Pure Sn (code e3)			

Note

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



Vishay Sfernice

ENVIRONMENTAL SPECIFICATIONS				
Temperature range	-55 °C to +125 °C			
Climatic category	55/125/56			
Sealing	Enables cleaning IP64			

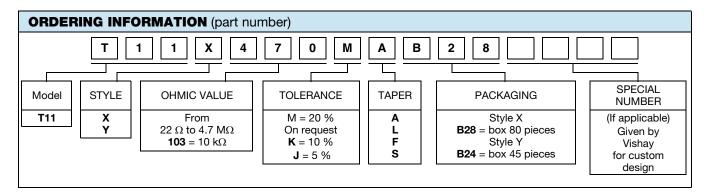
MARKING

- Vishay trademark
- Model
- SAP code of ohmic value
- Tolerance (in %)
- Manufacturing date (4 digits)
- Marking of terminal 3

PACKAGING

Style Y

- Carton box of 45 pieces, code B24/BO45
 Style X
- Carton box of 80 pieces, code B28/BO80



DESCRIPTION (for information only)							
T11	Х	470U	20 %	Α		ВО	e3
MODEL	STYLE	VALUE	TOLERANCE	TAPER	SPECIAL	PACKAGING	LEAD FINISH

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				



Legal Disclaimer Notice

Vishay

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