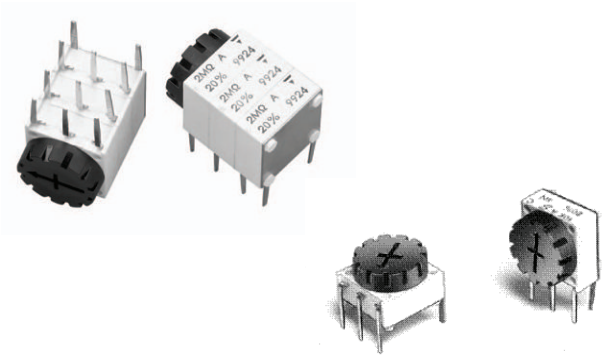
12.5 mm Square Modular Cermet Trimmer



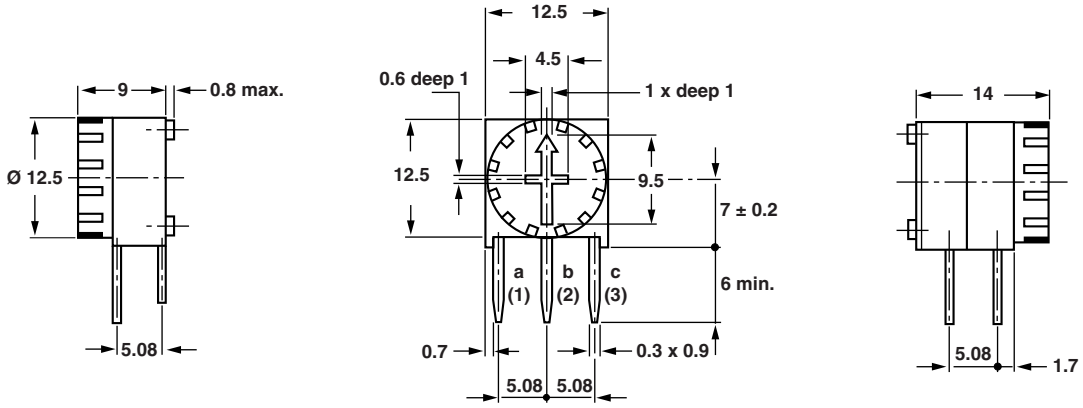
FEATURES

- 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

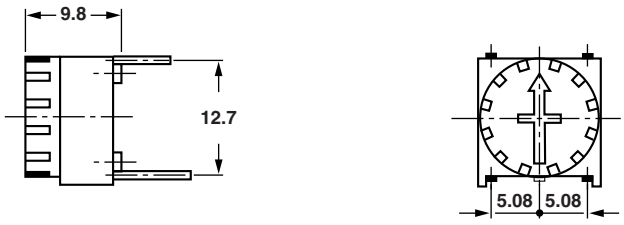
RoHS COMPLIANT

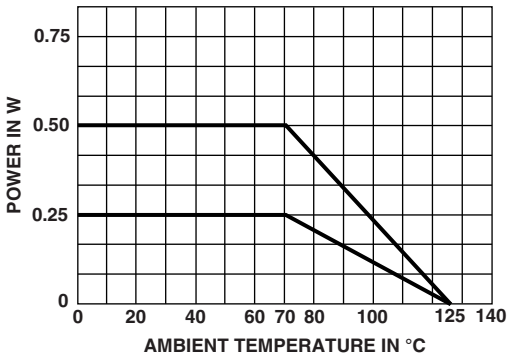
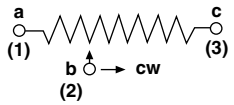
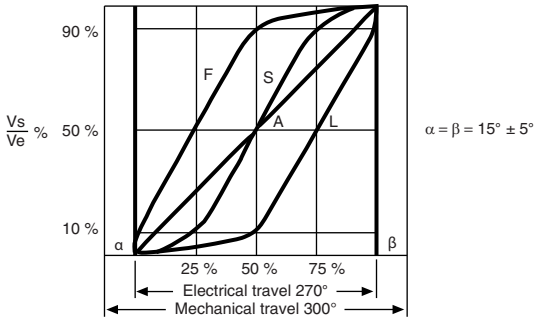
DIMENSIONS in millimeters (± 0.5 mm)

T11X



T11Y



ELECTRICAL SPECIFICATIONS		
Resistive element		Cermet
Electrical travel		270° ± 10°
Resistance range		22 Ω to 4.7 MΩ
Standard series E3		1 - 2.2 - 4.7 and on request 1 - 2 - 5
Tolerance	Standard	± 20 %
	On request	± 5 % or ± 10 %
Power rating	Linear	0.5 W at +70 °C
	Logarithmic laws, L, F, or S and ganged elements	0.25 W at +70 °C
Power rating chart		
Circuit diagram		
Resistance laws		
Temperature coefficient (for $R_n \geq 100\ \Omega$) (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.

ENVIRONMENTAL SPECIFICATIONS

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

MARKING

- Vishay trademark
- Model
- Ohmic value (in Ω, kΩ, MΩ)
- Tolerance (in %)
- Manufacturing date
- 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

ORDERING INFORMATION (part number)

T	1	1	X	4	7	0	M	A	B	2	8				

Model	STYLE	OHMIC VALUE	TOLERANCE	TAPER	PACKAGING	SPECIAL NUMBER
T11	**X** **Y**	From 22 Ω to 4.7 MΩ **103** = 10 kΩ	M = 20 % On request **K** = 10 % **J** = 5 %	**A** **L** **F** **S**	Style X **B28** = box 80 pieces Style Y **B24** = box 45 pieces	(If applicable) Given by Vishay for custom design

DESCRIPTION (for information only)

T11	X	470U	20 %	A		BO	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

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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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