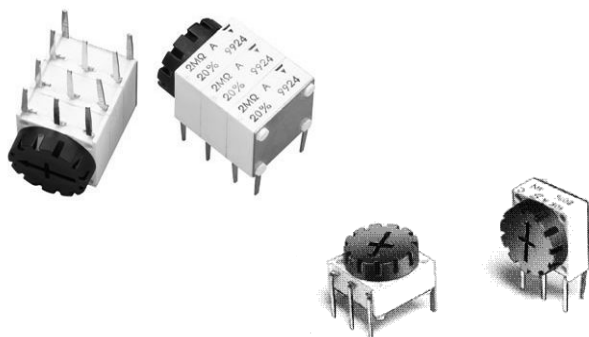


12.5 mm Square Modular Single-Turn Cermet Trimmer



FEATURES

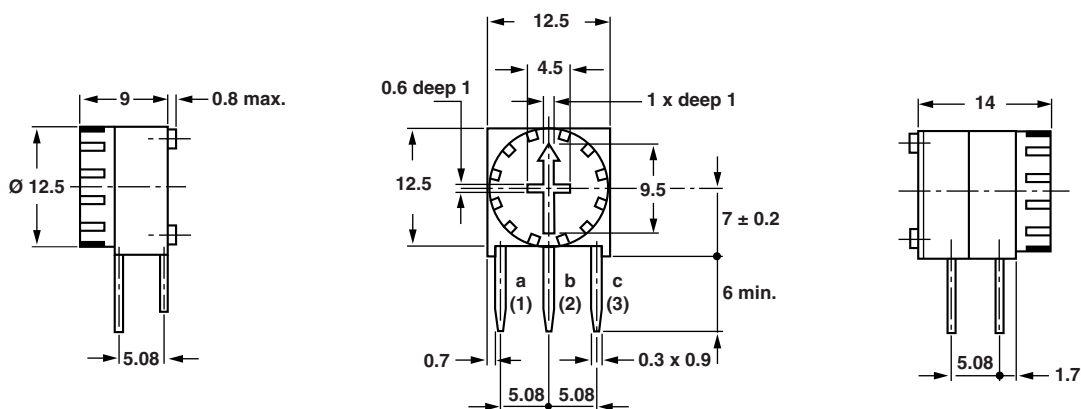
- Knob included
- 0.5 W at 70 °C
- Industrial grade
- Up to 5 modules
- Switches and detents available
- Tests according to CECC 41000 or IEC 60393-1
- Available in conductive plastic
- High rotational life up to 2000 cycles
- X and Y styles
- Material categorization: for definitions of compliance please see www.vishay.com/doc299912



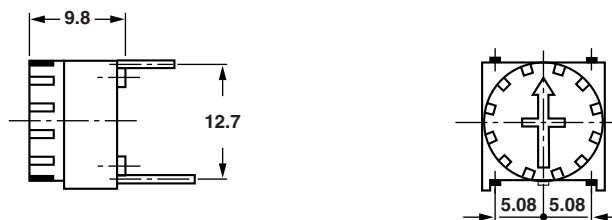
RoHS
COMPLIANT

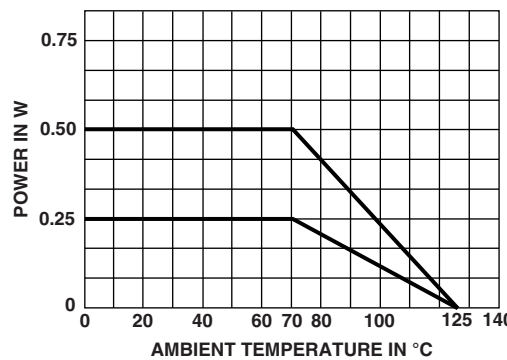
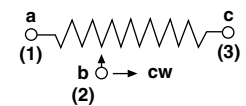
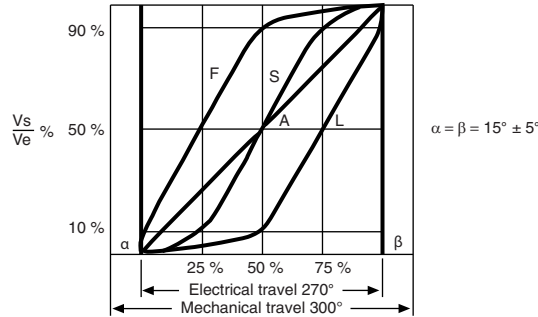
DIMENSIONS in millimeters (± 0.5 mm)

T11X



T11Y



ELECTRICAL SPECIFICATIONS	
Resistive element	Cermet
Electrical travel	$270^\circ \pm 10^\circ$
Resistance range	22Ω to $4.7 \text{ M}\Omega$
Standard series E3	1 - 2.2 - 4.7 and on request 1 - 2 - 5
Tolerance	Standard
	$\pm 20 \%$
On request	Linear
	$\pm 5 \%$ or $\pm 10 \%$
Power rating	Logarithmic laws, L, F, or S and ganged elements
	0.5 W at $+70^\circ \text{C}$
Power rating chart	0.25 W at $+70^\circ \text{C}$
	
Circuit diagram	
Resistance laws	
Temperature coefficient (for $R_n \geq 100 \Omega$) (typical)	$\pm 100 \text{ ppm}/^\circ \text{C}$
Limiting element voltage	350 V
Contact resistance variation	2 % R_n or 3Ω (linear law)
End resistance (typical)	2Ω
Independent linearity (typical)	$\pm 3 \%$ (linear law)
Middle keying point (C V1M typical)	$\pm 3 \%$
Insulation resistance	$10^6 \text{ M}\Omega$ (500 V _{DC})
Dielectric strength (RMS)	1500 V _{RMS}

MECHANICAL SPECIFICATIONS	
Mechanical travel	$300^\circ \pm 5^\circ$
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
- 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

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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