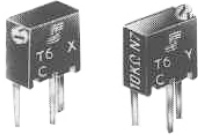


1/4" Multiturn Fully Sealed Container Cermet Trimmers



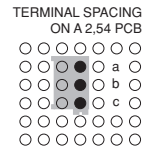
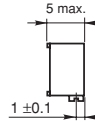
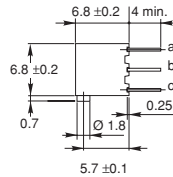
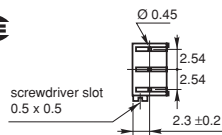
Due to their square shape and small size (6.8 x 6.8 x 5mm), the multiturn trimmers of the T6 series are ideally suited for PCB use, enabling high density board mounting with reduced space requirement between cards. Four versions are available differing by the top or side position of the adjustment screw and by PC pins configuration. The use of cermet for the resistive track ensures an excellent stability of nominal specifications throughout life.

FEATURES

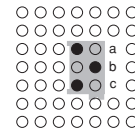
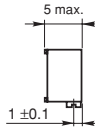
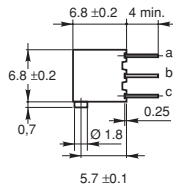
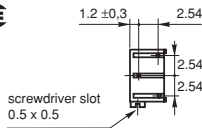
- Military and professional grade
- 0.25 Watt at 85°C
- CECC 41 101-005 (A, B, C, D)
- MIL-R-22097 (RJ26)
- GAM T1
- Space saving
- Excellent stability
- Low contact resistance variation 1% typical
- Fully sealed
- Excellent setting accuracy
- Wide range of ohmic values
- Tape and reel available

DIMENSIONS in millimeters

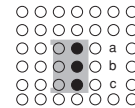
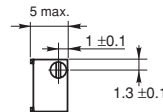
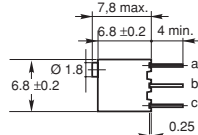
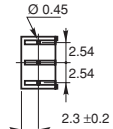
T6XA (PM 84) C



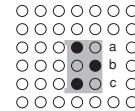
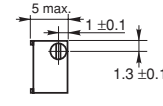
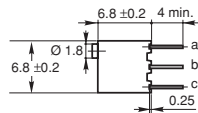
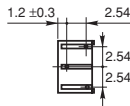
T6XB (PM 84) A



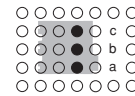
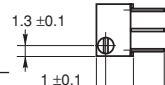
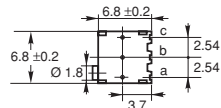
T6YA (PM 84) D



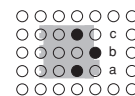
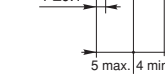
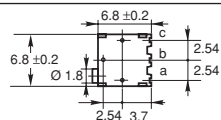
T6YB (PM 84) B



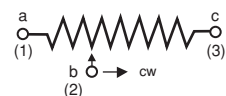
T6ZA



T6ZB



CIRCUIT DIAGRAM



Undergoes European Quality Insurance System (CECC)

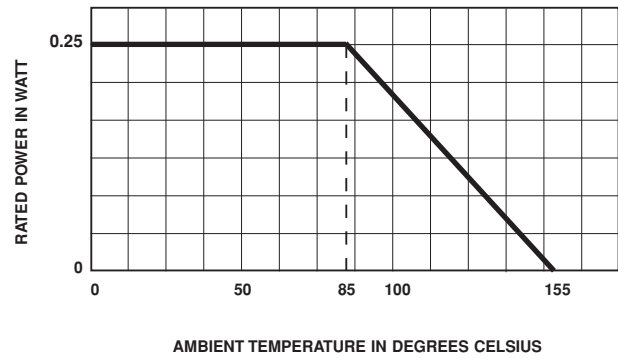


ELECTRICAL SPECIFICATIONS		
Resistive Element		cermet
Electrical Travel		13 turns ± 2
Resistance Range		10Ω to 2.2MΩ
Standard Series E3 and Series		1 - 2.2 - 4.7 and 1 - 2 - 5
Tolerance	Standard	± 10%
	On Request	± 5%
Power Rating Linear		0.25 W at + 85°C
Temperature Coefficient		See Standard Resistance Element Data
Limiting Element Voltage	Linear Law	250 V
Contact Resistance Variation		2% Rn or 2Ω
End Resistance (Typical)		1Ω
Dielectric Strength (RMS)		1000 V
Insulation Resistance (500 VDC)		10 ⁶ MΩ

MECHANICAL SPECIFICATIONS

Mechanical Travel	15 turns
Operating Torque (max. Ncm)	1
End Stop Torque	clutch action
Unit Weight (max. g)	0.5

POWER RATING CHART



ENVIRONMENTAL SPECIFICATIONS

Temperature Range	- 55°C + 155°C
Climatic Category	55/125/56
Sealing	fully sealed container IP67

PERFORMANCE						
CECC 41100					TYPICAL VALUES AND DRIFTS	
TESTS	CONDITIONS	$\frac{\Delta RT}{RT}$ (%)	REQUIREMENTS	$\frac{\Delta R1-2}{R1-2}$ (%)	$\frac{\Delta RT}{RT}$ (%)	$\frac{\Delta R1-2}{R1-2}$ (%)
Climatic Sequence	Phase A dry heat 125°C Phase B damp heat Phase C cold - 55°C Phase D damp heat 5 cycles	± 2%		± 3%	± 0.5%	± 1%
Long Term Damp Heat	56 days	± 2%	Dielectric strength : 250 V Insulation resistance : > 100 M	± 3%	± 0.5%	± 1%
Rotational Life	200 cycles	± 2%	Contact res. variat.: < 3% Rn		± 2%	Contact res. variat.: < 1% Rn
Load Life	1000 h at rated power 90/30' - ambient temp. 85°C	± 2%	Contact res. variat.: < 3% Rn	± 4%	± 1%	± 2%
Rapid Temperature Change	5 cycles -55°C to +125°C	± 1.5%		$\frac{\Delta V1-2}{V1-3}$ ± 1%	± 0.5%	$\frac{\Delta V1-2}{V1-3}$ ≤ ± 1%
Shocks	50 g 11 ms 3 successive shocks in 3 directions	± 1%		± 2%	± 0.1%	± 0.2%
Vibrations	10-55 Hz 0,75 mm or 10 g during 6 hours	± 1%		$\frac{\Delta V1-2}{V1-3}$ ± 2%	± 0.1%	$\frac{\Delta V1-2}{V1-3}$ ≤ ± 0.2%



1/4" Multiturn Fully Sealed Container
Cermet Trimmers

Vishay Sfernice

STANDARD RESISTANCE ELEMENT DATA				
STANDARD RESISTANCE VALUES	LINEAR LAW			T.C. - 55°C + 125°C
	MAX. POWER AT 85°C	MAX. WORKING VOLTAGE	MAX. CUR. THROUGH ELEMENT	
Ω	W	V	mA	ppm/°C
10	0.25	1.58	158	0 + 200
22		2.34	107	
47		3.53	73	
100	↓	5	50	± 100
220		7.42	34	
470		10.8	23	
1k		15.8	15.8	
2.2k		23.4	10.7	
4.7k		34.3	7.3	
10k		50	5	
22k		74.2	3.37	
47k		108.4	2.31	
100k		158	1.58	
220k	0.25	234	0.97	
470k	0.13	250	0.53	
1M	0.06	250	0.25	
2.2M	0.028	250	0.11	

MARKING

Printed : VISHAY trademark, series, style, ohmic value (in Ω , kΩ, MΩ), tolerance (in %), manufacturing date, marking of terminal c.

PACKAGING
- In magazine pack (tube) by 50 pieces code "TU50".

ORDERING INFORMATION				
T6	XA	470kΩ	± 10 %	TU50
SERIES	VERSION	OHMIC VALUE	TOLERANCE	PACKAGING
	N.B.: On delivery the wiper is positioned at mid-travel.			TU50 : Tube