

Vishay Sfernice

3/4" Rectangular Multi-Turn Cermet Trimmer



DIMENSIONS in millimeters (± 0.5 mm)

FEATURES

- 0.75 W at 70 °C
- Wide ohmic range (10 Ω to 5 M Ω)



- Multi-finger wiper for better CRV
- Tests according to CECC 41000 or IEC 60393-1
- Industrial grade
- Compliant to RoHS Directive 2002/95/EC

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

7.6 (0.3) ± 0.2 ⁽¹⁾ · 3.15 (0.125) ⁽¹⁾

WWW.100X



SHAFT

Note

(1) To be measured at base level

± 0.9 (0.035)

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WWW.100Y.COM.TW MMM.100A'COW:LM 1100 Y.COM.TW 100 Y.COM.TW 3/4" Rectangular Multi-Turn Cermet Trimmer



Cermet		
Ocimici		
15 turns ± 1		
10 Ω to 5 M Ω		
1 - 2.2 - 4.7 and 1 - 2 - 5		
± 10 %		
± 5 %		
0.75 W at + 70 °C		
0.50 0.25 0 20 40 60 70 80 100 125 140 AMBIENT TEMPERATURE IN °C		
$ \begin{array}{ccc} \overset{\mathbf{a}}{\bigcirc} & & & & \overset{\mathbf{c}}{\bigcirc} \\ (1) & & \overset{\mathbf{c}}{\bigcirc} & \rightarrow & cw \\ (2) & & & & & & \\ \end{array} $		
See Standard Resistance Element table		
C 400 V		
1 % Rn or 1 Ω max.		
1 % or 2 Ω		
1000 V		

Insulation resistance (500 V _{DC})	10^3 M Ω min.
MECHANICAL SPECIFICATIONS	OM: 27 WWW.1001.COM. TW WWW.100
Mechanical travel	18 turns ± 5
Operating torque (max. Ncm)	3.5
End stop torque	Clutch action
Net weight (max. g)	CON- 12 CON- 17WW
Wiper (actual travel)	Positioned at approx. 50 %
Terminals	e3: Pure Sn

rerminais		es. Pure Sil
ENVIRONMENTAL S	PECIFICATIONS	MAN
Temperature range	MAN . OON CO. TAN	- 55 °C to + 125 °C
Climatic category	V.Ind. COM.	55/125/56
Sealing	1003.	Fully sealed - IP67



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TESTS	M.Ing. COM.	TYPICAL VALUES AND DRIFTS		
	CONDITIONS	$\Delta R_{T}/R_{T}$ (%)	ΔR ₁₋₂ /R ₁₋₂ (%)	
Load life	1000 h at rated power 90'/30' - ambient temp. 70 °C	± 4 % Contact res. variation: < 3 % Rn	N.COM.TW	
Climatic sequence	Phase A dry heat 125 °C Phase B damp heat Phase C cold - 55 °C Phase D damp heat 5 cycles		± 1 %	
Long term damp heat	56 days	\pm 3 % Dielectric strength: 1000 V_{RMS} Insulation resistance: > 20 $\text{M}\Omega$		
Rapid temp. change	5 cycles - 55 °C to + 125 °C	± 0.5 %	$\Delta V_{1-2}/\Delta V_{1-3} \le \pm 2 \%$	
Shock	50 g at 11 ms 3 successive shocks in 3 directions	± (2 % + 3 Ω)	± 2 %	
Vibration	10 Hz to 55 Hz 0.75 mm or 10 g during 6 h	± 2 %	$\Delta V_{1-2}/\Delta V_{1-3} \le \pm 2 \%$	
Rotational life	200 cycles	$\pm (3 \% + 3 \Omega)$ Contact res. variation: < 2 % Rn	WW.1007.C	

STANDARD RESISTANCE ELEMENT DATA							
STANDARD RESISTANCE VALUES	LINEAR LAW			TYPICAL			
	MAX. POWER AT 70 °C	MAX. WORKING VOLTAGE	MAX. WIPER CUR.	TCR - 55 °C + 125 °C			
Ω	w	V.100	mA	ppm/°C			
10 22 47 100 220 470 1K 2.2K 4.7K 10K 22K 47K 100K 220K 470K 1M	0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	2.74 4.06 5.94 8.66 12.8 18.8 27.4 40.6 59.4 86.6 128 188 274 400 400 400	274 185 126 87 58 40 27 18 13 8.7 5.8 4.0 2.7 1.8 0.85 0.40 0.18	± 100			
			1				

MARKING

- Vishay trademark
- Vishay part number or model and ohmic value (in Ω , $k\Omega$, $M\Omega$)
- Manufacturing date
- Marking of terminal 3

PACKAGING

• In tube of 25 pieces code T10 (TU25)

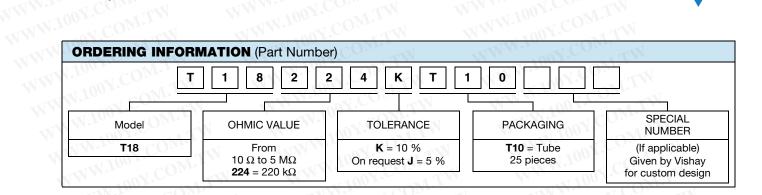
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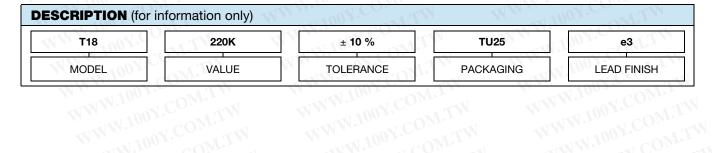
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MMM.100X.COW.I.M











Vishay

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