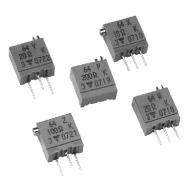
3/8" Square (10 mm) Multi-Turn Cermet Trimmer



The Model 64 is a small size trimmer - 3/8" x 3/8" x 3/16" answering PC board mounting requirements. Five versions are available which differ by the position of the control screw in relation to the PC board plane and by the spacing of the terminals. Excellent operational stability is provided by the use of a cermet element.

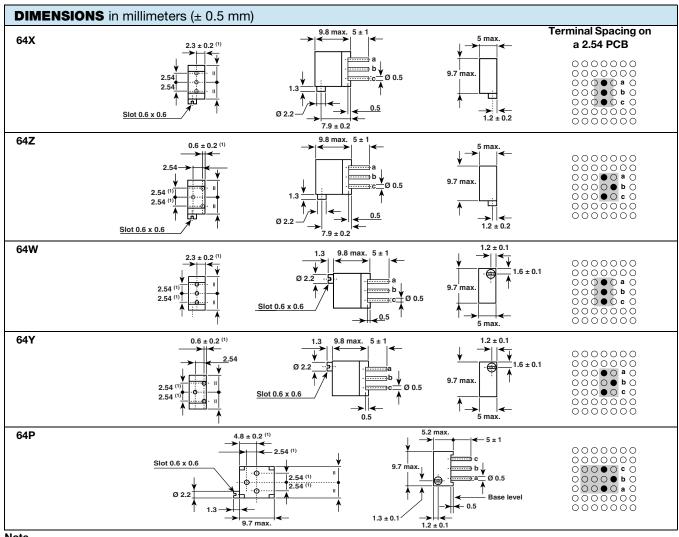
FEATURES

- · Industrial grade
- 0.5 W at 70 °C



COMPLIANT

- Tests according to CECC 41000 or IEC 60393-1
- Contact resistance variation < 1 % typical
- · Material categorization: For definitions of compliance please see www.vishav.com/doc?99912



Note

(1) To be measured at base level



Resistive element	Cermet			
Electrical travel	21 turns ± 2			
Resistance range	10 Ω to 2.2 M Ω			
Standard series E3	1 - 2 - 2.5 - 5			
T-laware Standard	10 %			
Tolerance On request	5 %			
linear	0.5 W at + 70 °C			
Power rating	0.5 I I I I I I I I I I I I I I I I I I I			
Circuit diagram	$ \begin{array}{ccc} \overset{a}{\circ} & & & & \overset{c}{\circ} \\ (1) & & \overset{b}{\circ} & \longrightarrow & cw \\ (2) & & & & & & & \\ \end{array} $			
Temperature coefficient	See Standard Resistance Element table			
Limiting element voltage (linear law)	250 V			
Contact resistance variation	2 % Rn or 2 Ω			
End resistance (typical)	1 Ω			
Dielectric strength (RMS)	1000 V			
Insulation resistance (500 V _{DC})	$10^6\mathrm{M}\Omega$			

MECHANICAL SPECIFICATIONS				
Mechanical travel	23 turns ± 5			
Operating torque (max. Ncm)	1.5			
End stop torque	Clutch action			
Net weight	Approx. 0.82 g			
Wiper (actual travel)	Positioned at approx. 50 %			
Terminals	Pure Sn (code e3)			

ENVIRONMENTAL SPECIFICATIONS				
Temperature range	- 55 °C to + 155 °C			
Climatic category	55/125/56			
Sealing	Fully sealed - IP67			

STANDARD RESISTANCE ELEMENT DATA					
STANDARD RESISTANCE VALUES	LINEAR LAW			TYPICAL	
	MAX. POWER AT 70 °C	MAX. WORKING VOLTAGE	MAX. CURRENT THROUGH WIPER	TCR - 55 °C + 125 °C	
Ω	W	V	mA	ppm/°C	
10 20 50 100 200 250 500 1K 2K 2.5K 5K 10K 20K 25K 50K 100K 20K 250K 250K 100K 200K 250K	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	2.2 3.2 5 7.1 10 11.2 15.8 22.4 31.6 35.4 50 70.7 100 112 158 224 250 250 250 250	224 158 100 71 50 45 32 22 16 14 10 7.1 5 4.5 3.2 2.2 1.3 1 0.5 0.25 0.13	± 100	

PERFORMANCES						
TESTS	CONDITIONS	TYPICAL VALUES AND DRIFTS				
	CONDITIONS	ΔR _T /R _T (%)	$\Delta R_{1-2}/R_{1-2}$ (%)			
Load life	1000 h at rated power 90'/30' - ambient temp. 70 °C	± 1 % Contact res. variation: < 1 % Rn	± 2 %			
Climatic sequence	Phase A dry heat 125 °C - 30 % Pr Phase B damp heat Phase C cold - 55 °C Phase D damp heat 5 cycles	± 0.5 %	± 1 %			
Long term damp heat	56 days 40 °C, 93 % RH	$\pm~0.5~\%$ Dielectric strength: 1000 V_{RMS} Insulation resistance: $>10^4~M\Omega$	± 1 %			
Rapid temperature change	5 cycles - 55 °C to + 125 °C	± 0.5 %	$\Delta V_{1\text{-}2}/\Delta V_{1\text{-}3} \leq \pm~1~\%$			
Shock	50 g at 11 ms 3 successive shocks in 3 directions	± 0.1 %	± 0.2 %			
Vibration	10 Hz to 55 Hz 0.75 mm or 10 g during 6 h	± 0.1 %	$\Delta V_{1-2}/\Delta V_{1-3} \le \pm \ 0.2 \%$			
Rotational life	200 cycles	± 4 % Contact res. variation: < 1 % Rn	-			

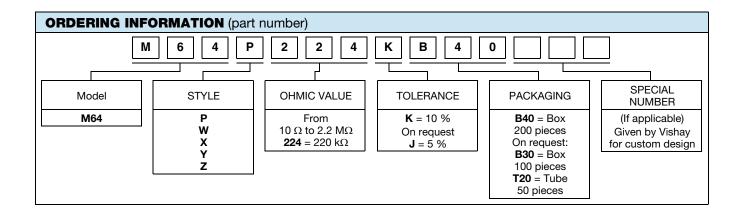
MARKING

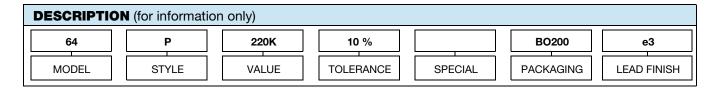
- Vishay trademark
- Model
- Style
- Ohmic value (in Ω , $k\Omega$, $M\Omega$)
- Tolerance (in %)
- Manufacturing date
- Marking of terminal 3



PACKAGING

- In box of 200 pieces code B40 (BO200) On request:
- In box of 100 pieces code B30 (BO100)
- In tube of 50 pieces code T20 (TU50)







Legal Disclaimer Notice

Vishay

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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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