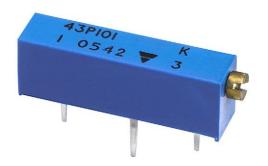


3/4" Rectangular (19 mm) Multi-Turn Cermet Trimmer



FEATURES

0.75 W at 70 °C

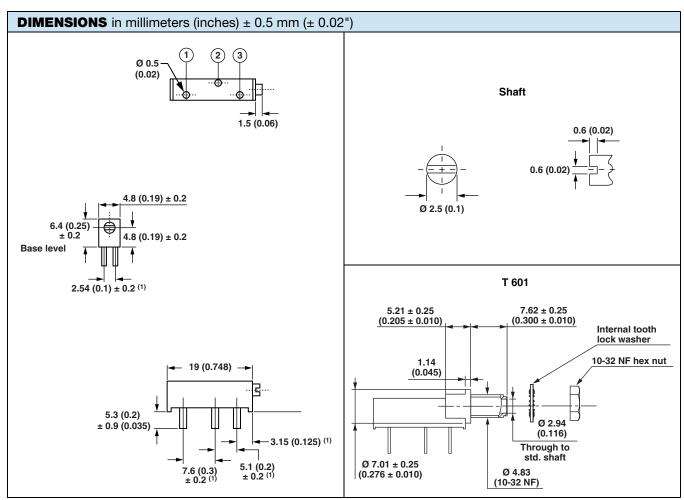




- Panel mount available
- Multi-finger wiper for better C.R.V.
- Tests according to CECC 41000 or IEC 60393-1
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

LINKS TO ADDITIONAL RESOURCES





Note

(1) To be measured at base level

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Resistive element		Cermet		
Electrical travel		15 turns ± 1		
Resistance range		10 Ω to 5 M Ω		
Standard series E3		1 - 2 - 5		
Tolerance S	andard	± 10 %		
	Linear	0.75 W at +70 °C		
Power rating		0.75 N		
Circuit diagram		$ \begin{array}{c} \stackrel{a}{\bigcirc} & & \stackrel{c}{\bigcirc} \\ \stackrel{(1)}{\bigcirc} & & \stackrel{b}{\bigcirc} & \rightarrow cw \\ (2) & & & & & & \\ \end{array} $		
Temperature coefficient		See Standard Resistance Element table		
Limiting element voltage (linear law)		400 V		
Contact resistance variation		1 % Rn or 1 Ω max.		
End resistance (typical)		1 % or 2 Ω		
Dielectric strength (RMS)		1000 V		
Insulation resistance (500 V _{DC})		10^3 M Ω min.		

MECHANICAL SPECIFICATIONS		
Mechanical travel	18 turns ± 5	
Operating torque (max. Ncm)	3.5	
End stop torque	Clutch action	
Net weight (max. g)	1.2	
Wiper (actual travel)	Positioned at approx. 50 %	
Terminals	Pure Sn (code e3)	

ENVIRONMENTAL SPECIFICATIONS		
Temperature range	-55 °C to +125 °C	
Climatic category	55/125/4	
Sealing	Fully sealed - IP67	



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PERFORMANCES					
TESTS	CONDITIONS	TYPICAL VALUES AND DRIFTS			
		$\Delta R_{\text{T}}/R_{\text{T}}$ (%)	∆V ₁₋₂ /V ₁₋₃ (%)	OTHER	
Load life	1000 h at rated power 90'/30' - ambient temp. 70 °C	± 4 %	-	-	
Humidity	4 days	± 3 %	-	Dielectric strength: 1000 V_{RMS} Insulation resistance: > 20 $M\Omega$	
Rapid temperature change	5 cycles -55 °C to +125 °C	± 0.5 %	± 2 %	-	
Shock	50 g at 11 ms 3 successive shocks in 3 directions	± 2 %	± 2 %	-	
Vibration	10 Hz to 55 Hz 0.75 mm or 10 g during 6 h	± 2 %	± 2 %	-	
Rotational life	200 cycles	± (3 % + 1 Ω)	-	Contact res. variation: < 1 % Rn	

Note

· Nothing stated herein shall be construed as a guarantee of quality or durability

STANDARD RESISTANCE ELEMENT DATA				
STANDARD		TYPICAL		
RESISTANCE VALUES	MAX. POWER AT 70 °C	MAX. WORKING VOLTAGE	MAX. WIPER CUR.	TCR -55 °C +125 °C
Ω	W	٧	mA	ppm/°C
10	0.75	2.74	274	
20	0.75	3.87	194	
50	0.75	6.12	122	
100	0.75	8.66	87	
200	0.75	12.2	61	
500	0.75	19.4	39	
1K	0.75	27.4	27	
2K	0.75	38.7	19	
5K	0.75	61.2	12	. 100
10K	0.75	86.6	8.7	± 100
20K	0.75	122	6.1	
50K	0.75	194	3.9	
100K	0.75	274	2.7	
200K	0.75	387	1.9	
500K	0.32	400	0.8	
1M	0.16	400	0.4	
2M	0.08	400	0.2	
5M	0.03	400	0.08	

MARKING

- Vishay trademark
- Vishay part number or model, ohmic value code and tolerance code
- Manufacturing date
- Marking of terminals 1 and/or 3

PACKAGING

• In box of 200 pieces code B40 (BO200)

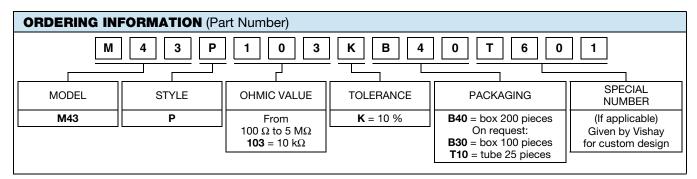
On request:

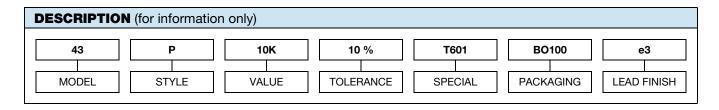
- In box of 100 pieces code B30 (BO100)
- In tube of 25 pieces code T10 (TU25)



www.vishay.com

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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

ACCESSORIES	
Screwdrivers (to order separately)	www.vishay.com/doc?57015



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