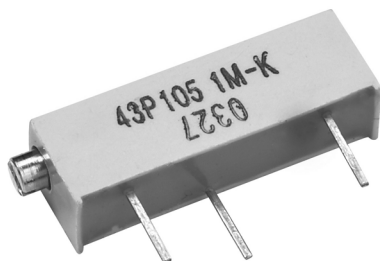
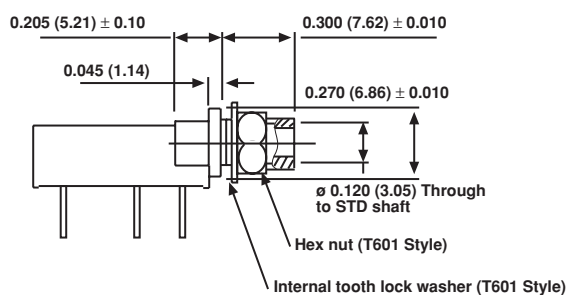
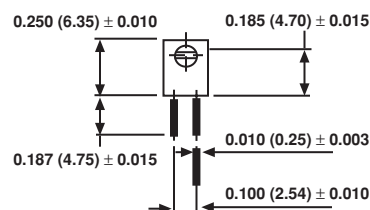
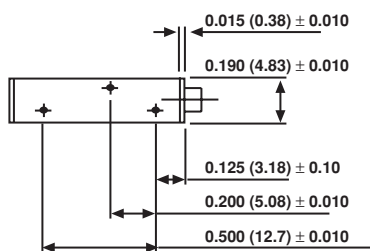
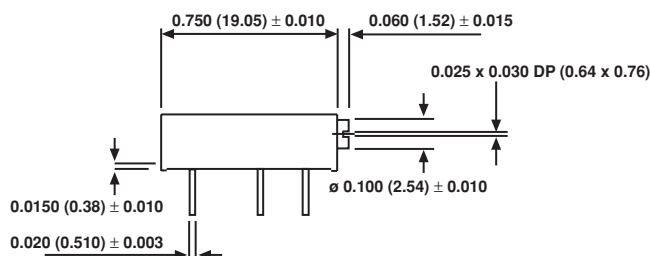


## 3/4" Rectangular (19mm) Multi-Turn Cermet Trimmer



The Model 43 is manufactured to the highest international standards. This product, sealed to 85°C for 1 minute (IEC. 68-2-17) has an effective travel of 20 turns nominal and a resistance range of 10Ω to 2MΩ.

### DIMENSIONS in inches (millimeters)



### CIRCUIT DIAGRAM



### FEATURES

- Panel mount, clear lid versions available
- Chevron shaft for sealing and smooth consistent torque
- Unique "T" slider block for excellent stability and setability
- Solder plated terminals for good solderability
- Solder terminations for improved reliability
- I.C. style pins for easier board insertion
- Multi-finger wiper for better C.R.V.

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

Vishay Spectrol

**ELECTRICAL SPECIFICATIONS**

Resistive Element	cermet
Electrical Travel	20 turns nominal
Resistance Range	10 $\Omega$ to 2M $\Omega$
Resistance Tolerance	$\pm 10\%$
Power Rating	0.5W at + 70°C, derated linearly to zero watts at 125°C Maximum voltage not to exceed 400V
Temperature Coefficient of Resistance	$\pm 100\text{ppm}/^\circ\text{C}$ . 100 $\Omega$ to 2M $\Omega$ - 100 to 200ppm/ $^\circ\text{C}$ . 10 $\Omega$ , 20 $\Omega$ and 50 $\Omega$
Contact Resistance Variation	1% R <sub>n</sub> or 1 $\Omega$ , whichever is greater
End Resistance	2 $\Omega$ or 1%, whichever is greater
Dielectric Withstanding Voltage	1000VAC at sea level, 250VAC at 80, 00 feet (24, 000 meters)
Insulation Resistance (500VDC)	1000M $\Omega$ minimum

**MECHANICAL SPECIFICATIONS**

Rotational Life	200 cycles min. $\pm 2\%$ res.
Operating Torque	5 oz (35mNm) max
End Stop Torque	wiper idles against stop
Unit Weight (max. g)	1.13
Stability	$\pm 0.05\%$ RT

**ENVIRONMENTAL SPECIFICATIONS**

Temperature Range	- 55°C to + 125°C
Climatic Category	55 / 125 / 21

**ENVIRONMENTAL SPECIFICATIONS**

TESTS	CONDITIONS	MAX R	CHANGE VAB VAC	PER CECC 41100	PER IEC 68.1 PART	PER MIL 202F
Bumps	390m/s <sup>2</sup> , 4000	1%	—	(PARA) 2.3.3	TEST EB (IEC 68-2-29)	NO EQUIV
Vibration	98m/s <sup>2</sup> , 10 to 500Hz	1%	2%	(PARA) 2.3.2	TEST FC (IEC 68-2-6)	METHOD 204
Electrical Endurance	1000 hours	3%	—	(PARA) 2.5.16	—	NO EQUIV
Soldering	—	—	—	(PARA) 2.3.7	TEST TB (IEC 68-2-20)	METHOD 208
Resistance to Heat	—	1%	—	(PARA) 2.3.7	TEST TB (IEC 68-2-20A)	METHOD 210 METHOD 1A
Damp Heat Steady Rate	21 days	3%	—	(PARA) 2.1	TEST C (IEC 68-2-3)	METHOD 103
Sealing	85°C for 1 minute	—	—	AS IEC	TEST QC (IEC 68-2-17)	METHOD 112
Mechanical Life	200 cycles	3%	—	—	METHOD 2	—
Terminal Strength	2.2lbs (1kg)	min	—	—	—	—

**MARKING**

Printed:

- VISHAY trademark
- model
- style

- ohmic value (in  $\Omega$ , k $\Omega$ , M $\Omega$ )
- tolerance (in %)
- manufacturing date
- marking of terminal 3

**ORDERING INFORMATION**

<b>43P</b> MODEL AND PIN STYLE	<b>SPECIAL</b> (omit if standard) <b>T601</b> - Panel mount <b>T602</b> - Base rise	<b>103</b> EIA RESISTANCE VALUE
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**SAP PART NUMBERING GUIDELINES**

M	4	3	P	1	0	3	K	B	4	0				
MODEL				OHMIC VALUE			TOL	PACKAGING CODE			SPECIAL (IF APPLICABLE)			
See the end of this data book for conversion tables														



### Notice

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