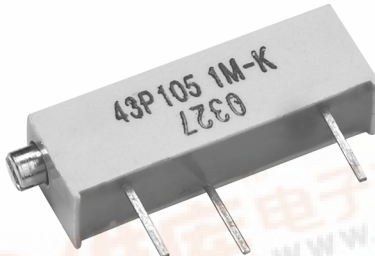
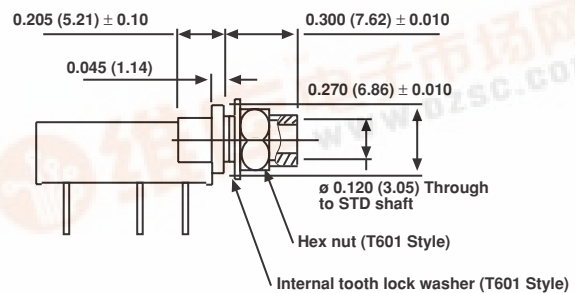
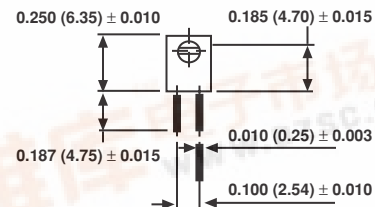
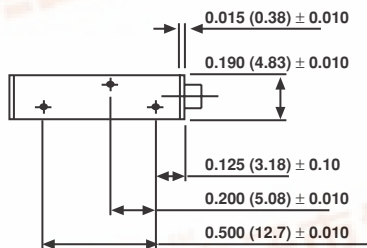
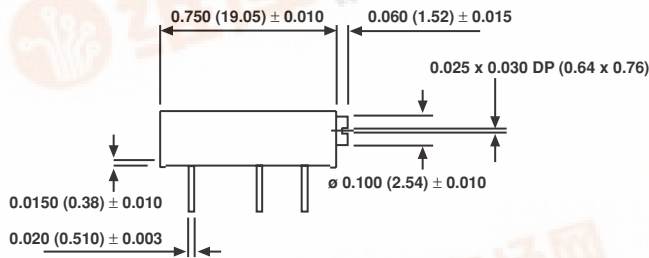


3/4" Rectangular (19mm) Multi-Turn Cermet Trimmer



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





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

Vishay Spectrol

ELECTRICAL SPECIFICATIONS

Resistive Element	cermet
Electrical Travel	20 turns nominal
Resistance Range	10 Ω to 2M Ω
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 Ω to 2M Ω - 100 to 200ppm/ $^\circ\text{C}$. 10 Ω , 20 Ω and 50 Ω
Contact Resistance Variation	1% R _n or 1 Ω , whichever is greater
End Resistance	2 Ω or 1%, whichever is greater
Dielectric Withstanding Voltage	1000VAC at sea level, 250VAC at 80, 00 feet (24, 000 meters)
Insulation Resistance (500VDC)	1000M Ω 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 ² , 4000	1%	—	(PARA) 2.3.3	TEST EB (IEC 68-2-29)	NO EQUIV
Vibration	98m/s ² , 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 Ω , k Ω , M Ω)
- tolerance (in %)
- manufacturing date
- marking of terminal 3

ORDERING INFORMATION

43P MODEL AND PIN STYLE	SPECIAL (omit if standard) T601 - Panel mount T602 - Base rise	103 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