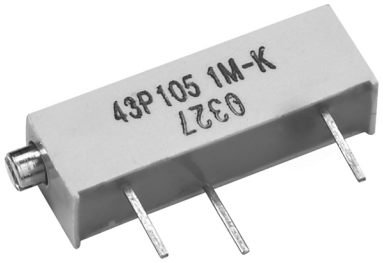
3/4” Rectangular (19mm)
Multi-Turn Cermet Trimmer

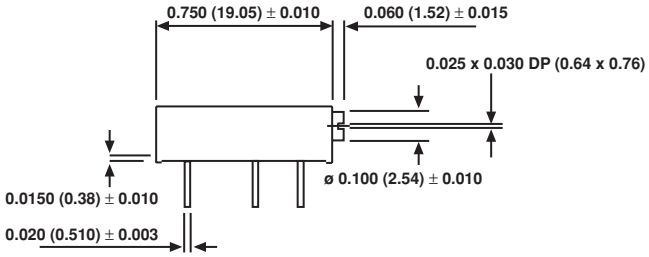


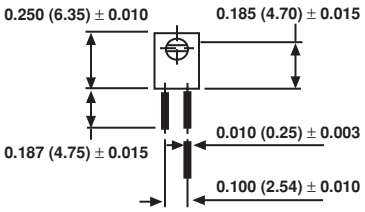
The Model 43 is manufactured to the highest international standards. This product, sealed to 85°C for 1 minute (IEC. 68-2-17) has an effective travel of 20 turns nominal and a resistance range of 10Ω to 2MΩ.

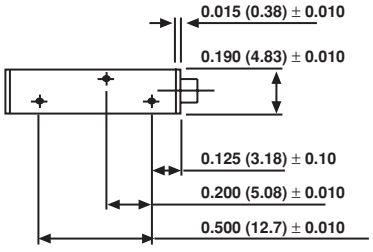
FEATURES

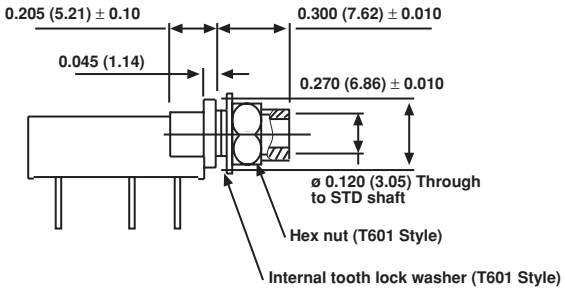
- Panel mount, clear lid versions available
- Chevron shaft for sealing and smooth consistent torque
- Unique “T” slider block for excellent stability and setability
- Solder plated terminals for good solderability
- Solder terminations for improved reliability
- I.C. style pins for easier board insertion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

DIMENSIONS in inches (millimeters)

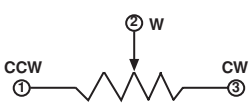








CIRCUIT DIAGRAM



For technical questions, contact: sfer@vishay.com
Document Number: 57026
Revision: 05-Aug-04

ELECTRICAL SPECIFICATIONS

Resistive Element	cermet
Electrical Travel	20 turns nominal
Resistance Range	10Ω to 2MΩ
Resistance Tolerance	± 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	± 100ppm/°C. 100Ω to 2MΩ - 100 to 200ppm/°C. 10Ω, 20Ω and 50Ω
Contact Resistance Variation	1% Rn or 1Ω , whichever is greater
End Resistance	2Ω or 1%, whichever is greater
Dielectric Withstanding Voltage	1000VAC at sea level, 250VAC at 80, 00 feet (24, 000 meters)
Insulation Resistance (500VDC)	1000MΩ minimum

MECHANICAL SPECIFICATIONS

Rotational Life 200 cycles min. ±2% res.
Operating Torque 5 oz (35mNm) max
End Stop Torque wiper idles against stop
Unit Weight (max. g) 1.13
Stability ± 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, kΩ, MΩ)
– 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

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

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