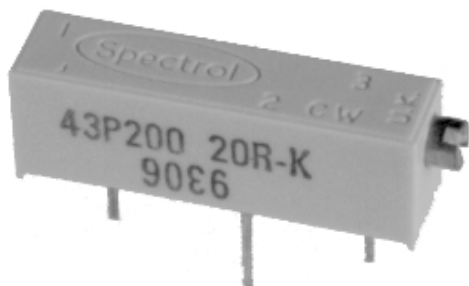


3/4" Rectangular (19mm) Multiturn Cermet Trimmer



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
- Soldered Terminations for Improved Reliability
- I.C. Style Pins for Easier Board Insertion
- Multifinger Wiper for Better C.R.V.

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

ELECTRICAL SPECIFICATIONS

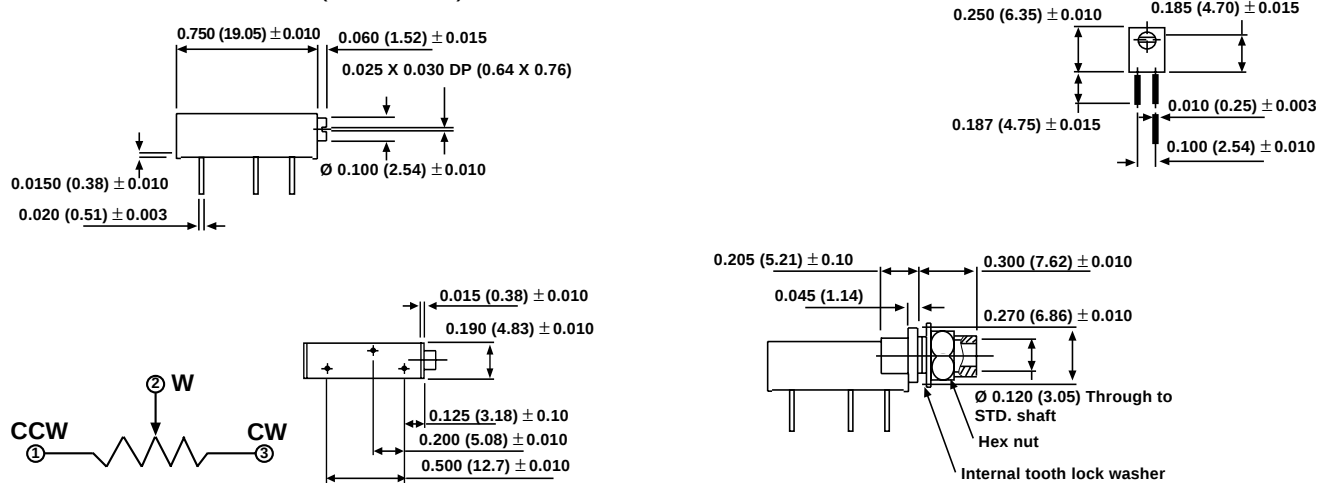
PARAMETER	
Effective Travel	20 turns nominal
Resistance Range	10Ω to 2MΩ
Resistance Tolerance	± 10%
End Resistance	2Ω maximum
Temperature Coefficient of Resistance	± 100ppm/°C. 100Ω to 2MΩ -100 to + 200ppm/°C. 10Ω, 20Ω and 50Ω
Power Rating	0.5 watt @ 70°C, derated linearly to zero watts @ 125°C Maximum voltage not to exceed 400V
Dielectric Withstanding Voltage	1000VAC @ sea level, 250VAC @ 80,000 feet (24,000 metres)
Insulation Resistance	1000MΩ minimum
Contact Resistance Variation	1% or 1Ω, whichever is greater

STANDARD RESISTANCE VALUES

RESISTANCE Ω	RESISTANCE CODE
10	100
20	200
50	500
100	101
200	201
500	501
1000*	102
2000*	202
5000*	502
10000*	103
20000*	203
25000*	253
50000*	503
100000*	104
200000	204
250000	254
500000	504
1000000	105
2000000	205

ORDERING INFORMATION

43P **XXXX** **XXX**
 MODEL AND **T000** - Omit if Standard RESISTANCE
 PIN STYLE **T601** - Panel Mount VALUE
 T040 - Clear Lid
 Example: **43P - XXXX - XXX**

**DIMENSIONS** in inches (millimeters)**ENVIRONMENTAL SPECIFICATIONS**

PARAMETER		MAX R	CHANGE $\frac{V_{AB}}{V_{AC}}$	PER CECC 41100	PER IEC 68.1 PART	PER MIL 202F
Temperature Range	- 55°C to + 125°C	2%	1%	(PARA 2.3.6)	TEST NA (IEC 68 - 2 - 14)	METHOD 107
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 hour	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 min	—	—	AS IEC	TEST QC (IEC 68 - 2 - 17)	METHOD 112
Mechanical Life	200 Cycles	3%	—	—	METHOD 2	—
Terminal Strength	2.2lbs (1kg)	min	—	—	—	—

MECHANICAL SPECIFICATIONS

PARAMETER	
Stop	Wiper idles against stop
Operating Torque	22.5mNm maximum
Rotational Life	200 cycles min with a max change of $\pm 2\%$ in total resistance
Weight	0.04oz (1.2gm) maximum
Resistance Element	Cermet
Stability	$\pm 0.05\%$ RT

RESISTANCE VALUES

Ohms	10R, 20R, 50R, 100R, 200R, 500R, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M
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MARKING

Unit Identification	Manufacturer's name and model number, resistance value, tolerance, date code and terminal identification
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