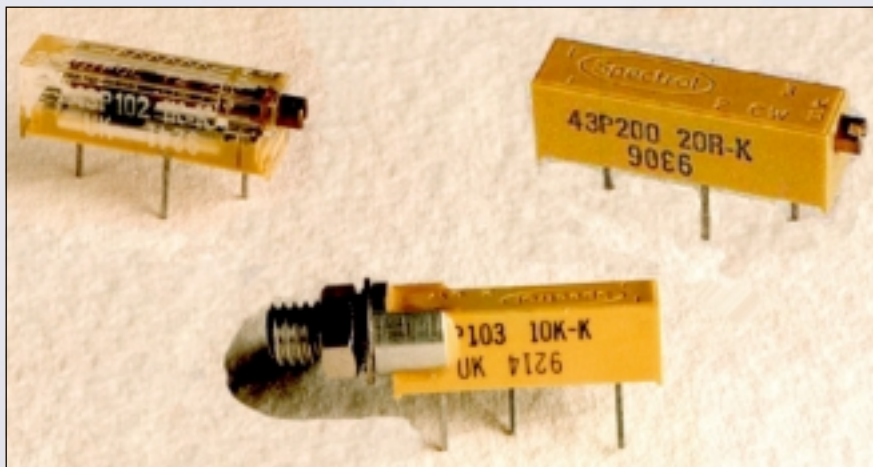


A 3/4" (19mm) Rectangular
Multiturn Cermet Trimmer

Spectrol®



Optional features include: panel mount, clear lid alternative adjuster heights. The model 43 is manufactured to the highest international standards, approved to CECC 41101-801. This product, sealed to 85°C for 1 min. (JEC.68-2-17) has an effective travel of 20 turns nominal and a resistance range of 10 ohms to 2 Megohms.

ELECTRICAL**Effective Travel:**

20 turns nominal

Resistance Range:

10Ω to 2 Megohms

Resistance Tolerance:

±10%

End Resistance:

2Ω maximum

Temperature Coefficient of Resistance:±100 ppm/°C. 100Ω to 2Megohms
-100 to +200ppm/°C. 10 ohms,
20 ohms and 50 ohms**Power Rating:**0.5 watt at 70°C, derated linearly to
zero watts at 125°C. Maximum
voltage not to exceed 400V**Dielectric withstanding voltage:**1000V AC at sea level, 250V AC at
80,000 feet (24,000 metres)**Insulation Resistance:**

1000 Megohms minimum

Contact Resistance Variation:

1% or 1Ω, whichever is greater

MECHANICAL**Stop:**

Wiper idles against stop

Operating Torque:

22.5mNm Max

Rotational Life:200 cycles minimum with a maximum
change of ±2% in total resistance**Weight:**

0.04oz (1.2 grams) maximum

Resistance Element:

Cermet

Stability:

±0.05% RT

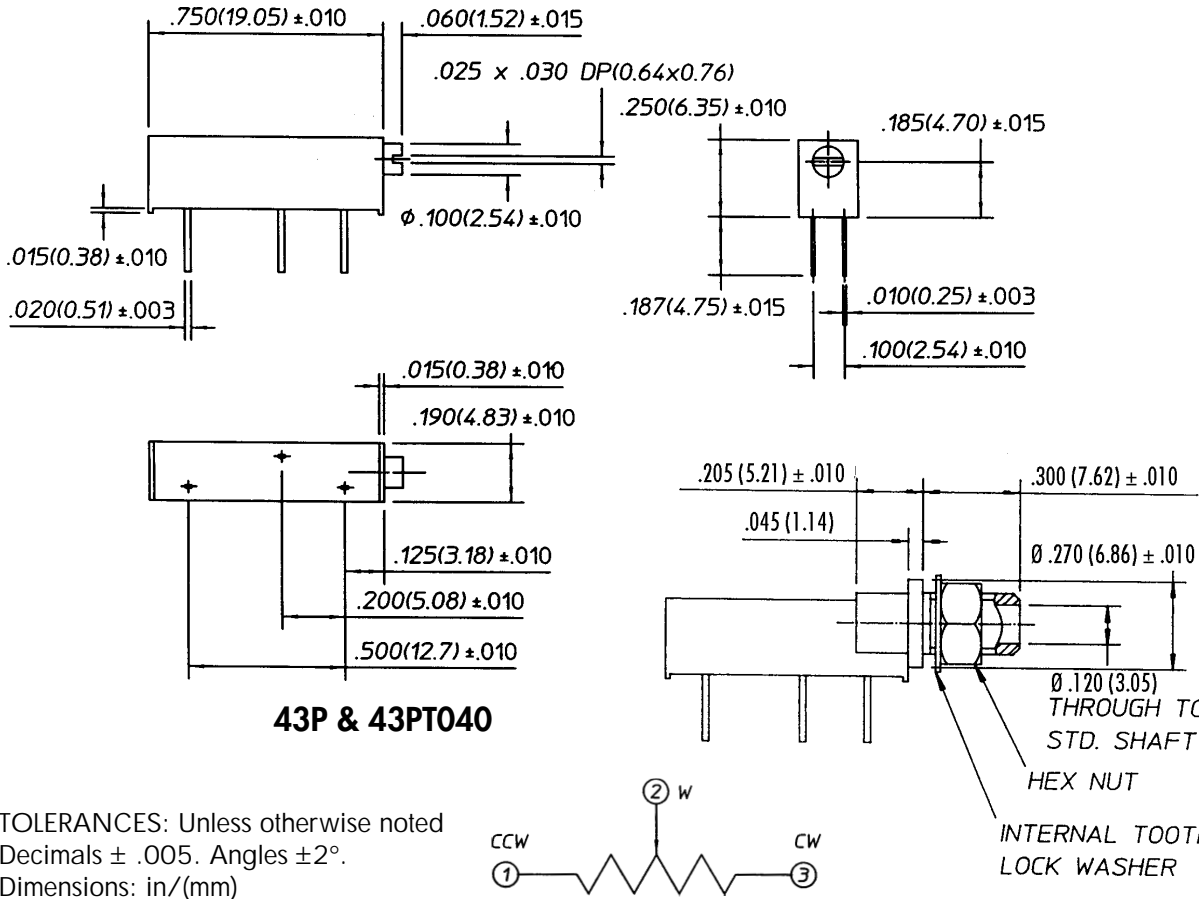
RESISTANCE VALUES**Ohms:**10R, 20R, 50R, 100R, 200R, 500R,
1K, 2K, 5K, 10K, 20K, 25K, 50K,
100K, 200K, 250K, 500K, 1M, 2M**MARKING****Unit Identification:**Manufacturer's name and model
number, resistance value, tolerance,
date code and terminal identification**ENVIRONMENTAL**

	MAX R	CHANGE Vab Vac	CHANGE		
			1	2	3
Temperature Range: -55° C to +55° C	2%	1%	(PARA 2.3.6)	TEST NA (IEC 68-2-14)	METHOD 107
Bumps: 390 m/s ² 4000	1%	-	(PARA 2.3.3)	TEST EB (IEC 68-2-29)	NO EQUIV.
Vibration: 98 m/s ² 10 to 500 Hz	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 1A	METHOD 210
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				
Related documents:					
1	Per CECC 41100	2	Per IEC 68.1 Part	3	Per MIL 202F

Model 43

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

DIMENSIONS



43P & 43PT040

43PT601

TOLERANCES: Unless otherwise noted
 Decimals ± .005. Angles ± 2°.
 Dimensions: in/(mm)

ORDERING INFORMATION

43P

Model Number and Pin Style

XXXX

- ___ T000 - Omit if standard
- ___ T601 - Panel Mount
- ___ T040 - Clear Lid

XXX

Resistance Value

Standard Resistance	
Res. Ohms	Res. 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

*Preferred Range

