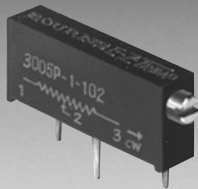


*RoHS COMPLIANT



BOURNS®

Features

- Multiturn / Wirewound / Industrial / Sealed
- Sealed to prevent contamination from fluxing, soldering and cleaning
- Low cost model
- Panel mount option available

- RoHS compliant*

3005 - 3/4 " Rectangular Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 50K ohms
 (see standard resistance table)
 Resistance Tolerance±10 % std.
 (tighter tolerance available)
 Absolute Minimum Resistance
0.5 % or 1 ohms max.
 (whichever is greater)
 Noise100 ohms ENR max.
 Resolution
See standard resistance table
 Insulation Resistance500 vdc.
 100 megohms min.
 Dielectric Strength
 Sea Level1,000 vac
 80,000 Feet.....250 vac
 Adjustment Travel20 turns nom.

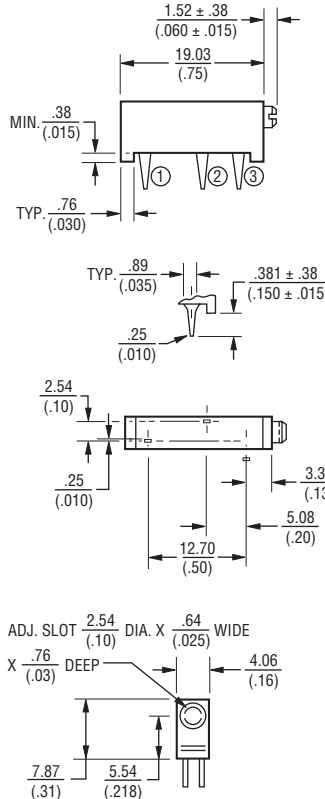
Environmental Characteristics

Power Rating
 70 °C1 watt
 125 °C0 watt
 Temperature Range-65 °C to +125 °C
 Temperature Coefficient
±50 ppm/°C
 Seal Test.....85 °C Fluorinert[†]
 Humidity.....MIL-STD-202 Method 106
 96 hours
 (5 % ΔTR, 20 megohms IR)
 Vibration.....20 G (2 % ΔTR; 2 % ΔVR)
 Shock.....50 G (2 % ΔTR; 2 % ΔVR)
 Load Life
1,000 hours, 1 watt @ 70 °C
 (3 % ΔTR)
 Rotational Life200 cycles
 (4 % ΔTR)

Physical Characteristics

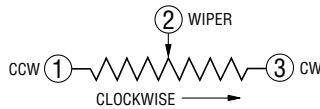
Torque5.0 oz-in. max.
 Mechanical Angle.....Wiper idles
 TerminalsSolderable pins
 Weight0.045 oz.
 MarkingManufacturer's
 trademark, resistance code,
 wiring diagram, date code,
 manufacturer's model number
 and style
 Standard Packaging25 pcs. per tube

Product Dimensions



TOLERANCES: $\frac{\pm .25}{(\pm .010)}$ EXCEPT WHERE NOTED

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$



Standard Resistance Table

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
10	100	1.7
20	200	1.5
50	500	1.0
100	101	0.8
200	201	0.7
500	501	0.5
1,000	102	0.5
2,000	202	0.4
5,000	502	0.3
10,000	103	0.3
20,000	203	0.2
50,000	503	0.2

Special resistances available from 10 to 50K ohms.

How To Order

