

Features

- Multiturn / Wirewound / Industrial / Sealed
- Sealed to prevent contamination from fluxing, soldering and cleaning
- Panel mount option available
- RoHS compliant*
- For trimmer applications/processing guidelines, [click here](#)

3005 - 3/4 " Rectangular Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range	10 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)
Noise	100 ohms ENR max.
Resolution	See standard resistance table
Insulation Resistance	500 vdc. 100 megohms min.
Dielectric Strength	Sea Level 1,000 vac 80,000 Feet 250 vac Adjustment Travel 20 turns nom.

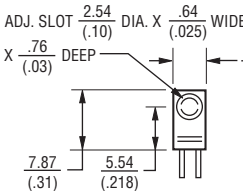
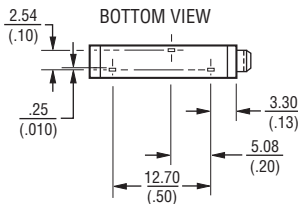
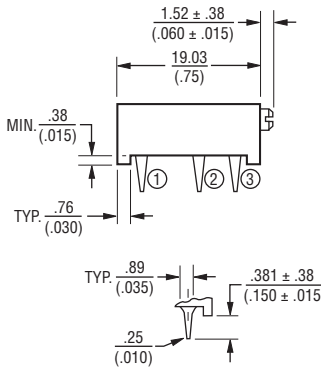
Environmental Characteristics

Power Rating	70 °C 1 watt 125 °C 0 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 Life	200 cycles (4 % ΔTR)

Physical Characteristics

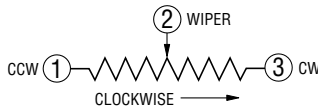
Torque	5.0 oz-in. max.
Mechanical Angle	Wiper idles
Terminals	Solderable pins
Weight	0.045 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging	25 pcs. per tube

Product Dimensions



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

TOLERANCES: $\frac{0.25}{(0.010)}$ EXCEPT WHERE NOTED



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

3005 P - 1 - 103 Z

Model _____

Style _____

Standard or Modified Product Indicator _____

-1 = Standard Product

Resistance Code _____

Optional Suffix Letter _____

Z = Panel Mount (Factory Installed)

Consult factory for other available options.

REV. 09/16

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

“Trimpot” is a registered trademark of Bourns, Inc.

†“Fluorinert” is a registered trademark of 3M Co.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.