

## Features

- Multiturn / Wirewound / Industrial / Sealed
- Sealed to prevent contamination from fluxing, soldering and cleaning
- Low cost model
- 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.

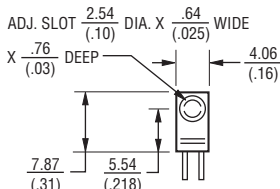
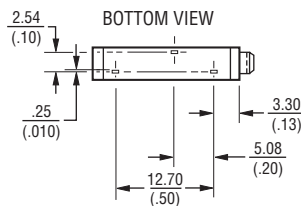
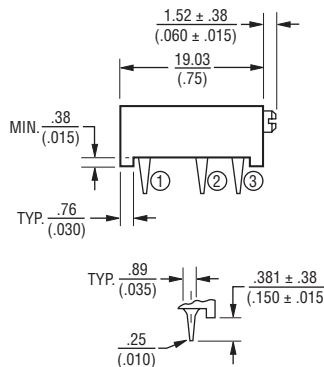
### Environmental Characteristics

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

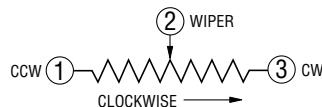
Torque ..... 5.0 oz-in. max.  
 Mechanical Angle ..... Wiper idles  
 Terminals ..... Solderable pins  
 Weight ..... 0.045 oz.  
 Marking ..... Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
 Standard Packaging ..... 25 pcs. per tube

### Product Dimensions



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

TOLERANCES:  $\frac{0.25}{(.010)}$  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. 08/10

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

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

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

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.