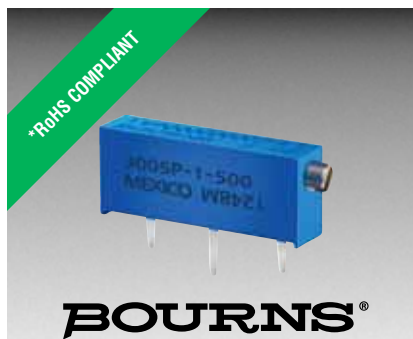




Features

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

3005 - 3/4 " Rectangular Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 50K ohms
(see standard resistance table)
Resistance Tolerance $\pm 10\%$ std.
(tighter tolerance available)
Absolute Minimum Resistance0.5 % or 1 ohms max.
(whichever is greater)
Noise 100 ohms ENR max.
ResolutionSee standard resistance table
Insulation Resistance500 VDC
100 megohms min.
Dielectric Strength
Sea Level1,000 VAC
80,000 Feet250 VAC
Adjustment Travel 20 turns nom.

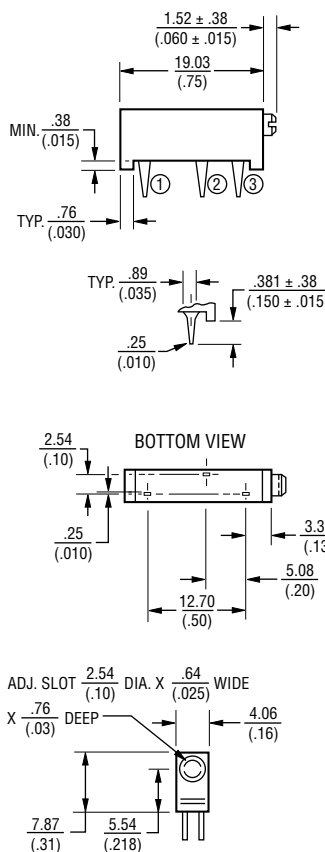
Environmental Characteristics

Power Rating
70 °C1 watt
125 °C0 watt
Temperature Range -65 °C to +125 °C
Temperature Coefficient ± 50 PPM/°C
Seal Test 85 °C
HumidityMIL-STD-202 Method 106
96 hours
(5 % Δ TR, 20 megohms IR)
Vibration 20 G (2 % Δ TR; 2 % Δ VR)
Shock 50 G (2 % Δ TR; 2 % Δ VR)
Load Life 1,000 hours, 1 watt @ 70 °C
(3 % Δ TR)
Rotational Life 200 cycles
(4 % Δ TR)

Physical Characteristics

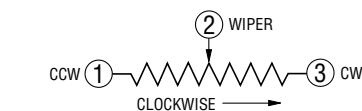
Torque 5.0 oz-in. max.
Mechanical Angle Wiper idles
Terminals Solderable pins
Weight 0.045 oz.
Marking Manufacturer's trademark,
resistance code, wiring diagram,
date code, manufacturer's model
number and style
Standard Packaging 25 pcs. per tube

Product Dimensions



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

TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED



**WARNING Cancer
and Reproductive Harm**
www.P65Warnings.ca.gov

Additional Information

Click these links for more information:



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

Model **3005 P - 1 - 103 Z**
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.

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www.bourns.com

REV. 07/24

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex (by exemption for Lead and Cadmium applicable to certain categories. See Model 3005 Series MDS for details.)

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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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