

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 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 Resistance500 vdc.

100 megohms min.

Dielectric Strength

Sea Level1,000 vac 80,000 Feet......250 vac

Adjustment Travel......20 turns nom.

Environmental Characteristics

Power Rating

70 °C.....1 watt 125 °C0 watt Temperature Range......-65 °C to +125 °C

Temperature Coefficient

.....±50 ppm/°C Seal Test85 °C Fluorinert[†] HumidityMIL-STD-202 Method 106

(5 % Δ TR, 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

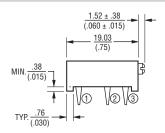
(3 % Δ TR) Rotational Life......200 cycles (4 % Δ TR)

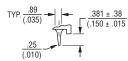
Physical Characteristics

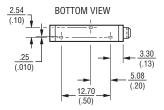
Torque5.0 oz-in. max. Mechanical Angle Wiper idles Terminals......Solderable pins Weight0.045 oz. Marking Manufacturer's trademark, resistance code, wiring diagram, date code,

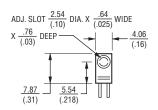
manufacturer's model number and style Standard Packaging 25 pcs. per tube

Product Dimensions

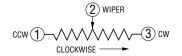








DIMENSIONS:		MM (INCHES)
TOLERANCES:	(.010)	EXCEPT WHERE NOTED



Additional Information

Click these links for more information:



PRODUCT









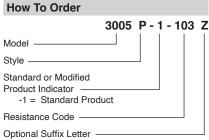
TECHNICAL

INVENTORY

Standard Resistance Table

		Nominal
Resistance	Resistance	Resolution
(Ohms)	Code	(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.



Z = Panel Mount (Factory Installed)

Consult factory for other available options.



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

REV. 10/22

*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.)

"Trimpot" is a trademark of Bourns, Inc.

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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