

Features

- 3/4 "Rectangular / Multiturn / Cermet / Industrial / Sealed
- Low PC board profile only 1/4 "high
- Panel mount option available
- Transparent housing available, can be set visually without hook-up and instrumentation ("P" style only)
- RoHS compliant* version available
- For trimmer applications/processing guidelines, click here

3006 - Trimpot® Trimming Potentiometer

Additional Information

Click these links for more information:











TECHNICAL LIBRARY

INVENTORY

SAMPLES

Electrical Characteristics

Standard Resistance Range

.....10 to 5 megohms (see standard resistance table) Resistance Tolerance±10 % std.

(tighter tolerance available)

Absolute Minimum Resistance

.....1.0 % or 2 ohms max. (whichever is greater)

Contact Resistance Variation

.....1.0 % or 1 ohm max. (whichever is greater)

Adjustability

Voltage±0.01 % Resistance±0.05 % Resolution......Infinite Insulation Resistance 500 VDC 1,000 megohms min.

Dielectric Strength

Sea Level1,000 VAC 80,000 Feet.....250 VAC Adjustment Angle.....15 turns nom.

Environmental Characteristics

Power Rating (400 volts max.)

70 °C 0.75 watt 125 °C 0 watt Temperature Range.... -55 °C to +125 °C Temperature Coefficient ±100 PPM/°C Seal Test.....85 °C Humidity...... MIL-STD-202 Method 103 (3 % Δ TR, 20 Megohms IR) Vibration 20 G (2 % ΔTR; 2 % ΔVR)

Shock......50 G (2 % ΔTR; 2 % ΔVR) Load Life..... 1,000 hours 0.75 watt 70 °C (4 % Δ TR)

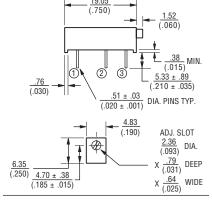
Rotational Life......200 cycles

(3 % ΔTR; 1 % or 1 ohm,

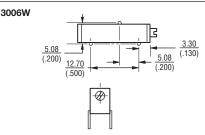
whichever is greater, CRV)

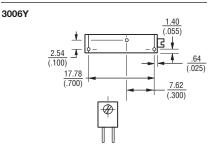
Product Dimensions

Common Dimensions



3006P 12.70 (.200)





Physical Characteristics

Torque	5.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable pins
Weight	0.04 oz.
Marking	Manufacturer's
tradema	ark, resistance code,
terminal ı	numbers, date code,
manufactu	urer's model number
	and style
Wiper 50 %	% (Actual TR) ±10 %
Flammability	U.I. 94V-0

Packaging

Standard......25 pcs. per tube Panel Mount

3006P, 3006Y......20 pcs. per tube 3006W......72 pcs. per box Adjustment Tool H-90

Storage Condition40 °C max. / 70 % R.H. max.

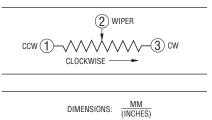
How To Order

3006 P-1-103 Z LF

Model -Style -Standard or Modified Product Indicator -1 = Standard Product -7 = Transparent Housing Resistance Code Optional Suffix Letter Z = Panel Mount (Factory Installed)

Terminations 100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.



TOLERANCES: ± EXCEPT WHERE NOTED



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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications

3006 – Trimpot® Trimming Potentiometer

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Standard Resistance Table

Resistance	Resistance
(Ohms)	Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular distribution values listed in **boldface**. Special resistances available.

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