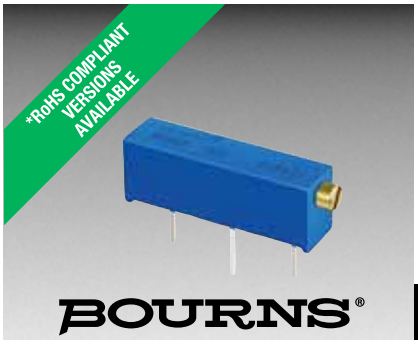


Features

- 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:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Electrical Characteristics

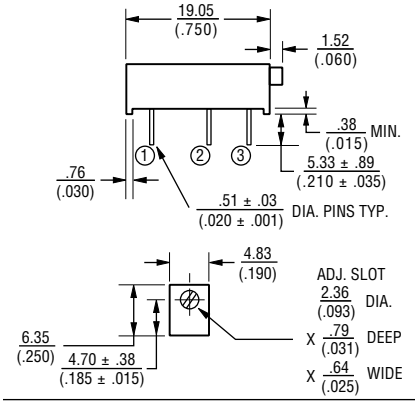
Standard Resistance Range
.....10 to 5 megohms
(see standard resistance table)
Resistance Tolerance .....±10 % std.
(tighter tolerance available)
Absolute Minimum Resistance
.....1.0 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation
.....1.0 % or 1 ohm max.
(whichever is greater)
Adjustability
Voltage .....±0.01 %
Resistance .....±0.05 %
Resolution..... Infinite
Insulation Resistance ..... 500 VDC
1,000 megohms min.
Dielectric Strength
Sea Level .....1,000 VAC
80,000 Feet.....250 VAC
Adjustment Angle.....15 turns nom.

Environmental Characteristics

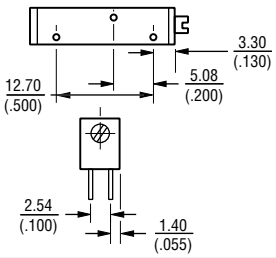
Power Rating (400 volts max.)
70 °C ..... 0.75 watt
125 °C ..... 0 watt
Temperature Range.... -55 °C to +125 °C
Temperature Coefficient ....±100 PPM/°C
Seal Test.....85 °C
Humidity..... MIL-STD-202 Method 103
96 hours
(3 % ΔTR, 20 Megohms IR)
Vibration ..... 20 G (2 % ΔTR; 2 % ΔVR)
Shock..... 50 G (2 % ΔTR; 2 % ΔVR)
Load Life..... 1,000 hours 0.75 watt 70 °C
(4 % ΔTR)
Rotational Life.....200 cycles
(3 % ΔTR; 1 % or 1 ohm,
whichever is greater, CRV)

Product Dimensions

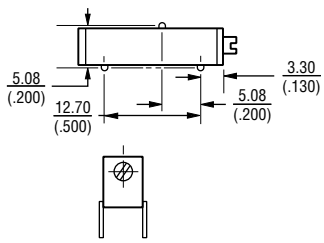
Common Dimensions



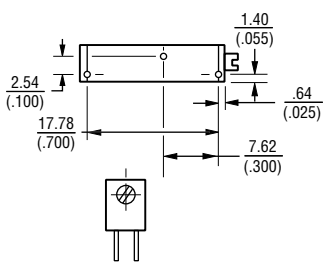
3006P



3006W



3006Y



Physical Characteristics

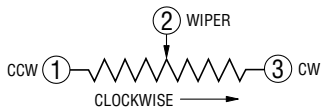
Torque..... 5.0 oz-in. max.
Mechanical Stops .....Wiper idles
Terminals ..... Solderable pins
Weight ..... 0.04 oz.
Marking..... Manufacturer’s trademark, resistance code, terminal numbers, date code, manufacturer’s model number and style
Wiper ..... 50 % (Actual TR) ±10 %
Flammability .....U.L. 94V-0
Packaging
Standard..... 25 pcs. per tube
3006W w/Panel Mount
..... 72 pcs. per box
Adjustment Tool H-90
Storage Condition
.....40 °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
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.



DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex
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Standard Resistance Table

Resistance (Ohms)	Resistance 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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