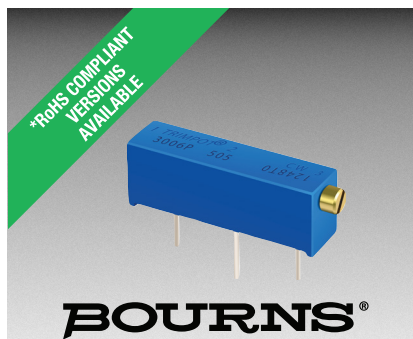




Features

- 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:



Electrical Characteristics

Standard Resistance Range
..... 10 to 5 megohms
(see standard resistance table)

Resistance Tolerance $\pm 10\%$ 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 $\pm 0.01\%$
Resistance $\pm 0.05\%$

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 % Δ TR, 20 Megohms IR)

Vibration 20 G (2 % Δ TR; 2 % Δ VR)

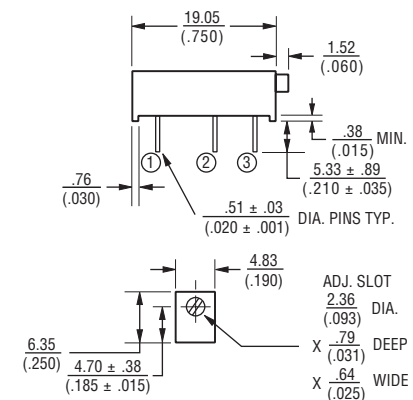
Shock 50 G (2 % Δ TR; 2 % Δ VR)

Load Life 1,000 hours 0.75 watt 70 °C
(4 % Δ TR)

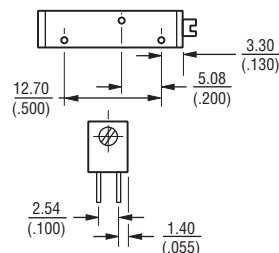
Rotational Life 200 cycles
(3 % Δ TR; 1 % or 1 ohm,
whichever is greater, CRV)

Product Dimensions

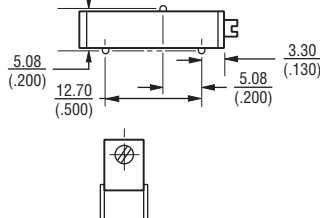
Common Dimensions



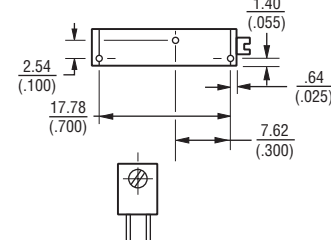
3006P



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) $\pm 10\%$

Flammability U.L. 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 Condition
..... 40 °C max. / 70 % R.H. max.

How To Order

3006 P - 1 - 103 Z LF

Model _____

Style _____

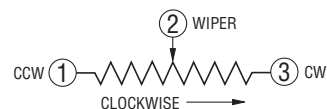
Standard or Modified
Product Indicator _____
-1 = Standard Product
-7 = Transparent Housing

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

TOLERANCES: $\pm \frac{0.25}{(.010)}$ 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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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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3006 – Trimpot® Trimming Potentiometer

BOURNS®

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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