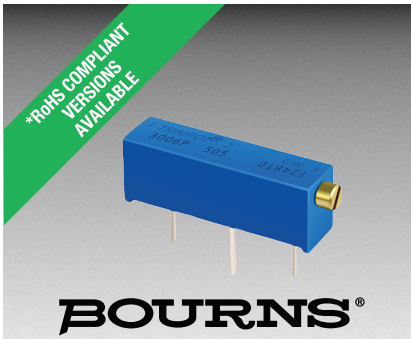




**THE DATASHEET OF  
3006Y-1-104LF**





## 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 ..... ±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  
96 hours

Vibration ..... 20 G (2 % ΔTR; 2 % ΔVR)

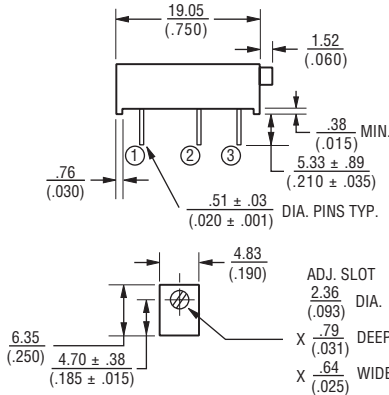
Shock ..... 50 G (2 % ΔTR; 2 % ΔVR)

Load Life ..... 1,000 hours 0.75 watt 70 °C  
(4 % ΔTR)

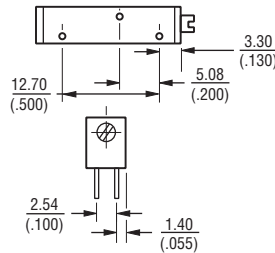
Rotational Life ..... 200 cycles  
(3 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

### Product Dimensions

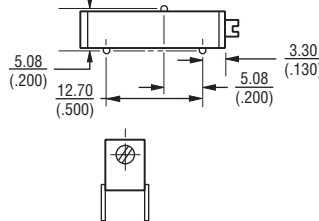
#### Common Dimensions



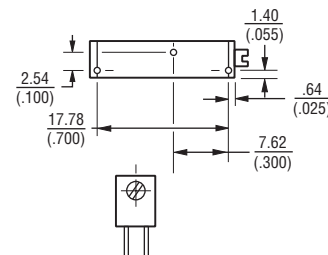
#### 3006P



#### 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  
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 \_\_\_\_\_

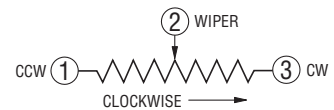
Standard or Modified Product Indicator \_\_\_\_\_  
-1 = Standard Product  
-7 = Transparent Housing

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



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\*RoHS Directive 2015/863, Mar. 31, 2015 and Annex  
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Users should verify actual device performance in their specific applications.

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## Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
<b>500</b>	<b>501</b>
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
<b>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
<b>200,000</b>	<b>204</b>
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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