



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

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

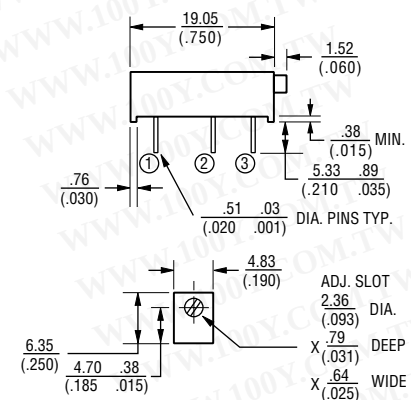
Power Rating (400 volts max.)
70 °C 0.75 watt
125 °C 0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Coefficient ... ± 100 ppm/°C
Seal Test 85 °C Fluorinert†
Humidity MIL-STD-202 Method 103
96 hours
(3 % Δ TR, 20 Megohms IR)
Vibration 20 G (2 % Δ TR; 2 % Δ VR)
Shock 50 G (2 % Δ TR; 2 % Δ VR)
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)

Physical Characteristics

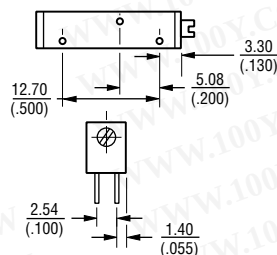
Torque 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals Solderable pins
Weight 0.04 oz.
Marking Manufacturer's
trademark, resistance code,
terminal numbers, date code,
manufacturer's model number
and style
Wiper 50 % (Actual TR) $\pm 10\%$
Flammability U.L. 94V-0
Standard Packaging 25 pcs. per tube
Adjustment Tool H-90

Product Dimensions

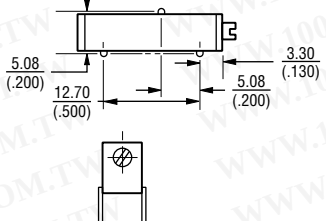
Common Dimensions



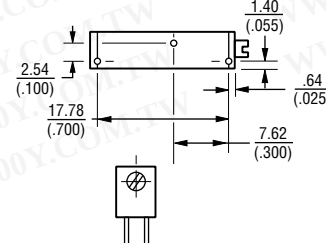
3006P



3006W



3006Y



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

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

How To Order

3006 P - 1 - 103 Z LF

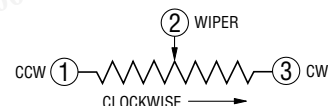
Model _____
Style _____
Standard or Modified
Product Indicator _____
-1 = Standard Product
-7 = Transparent Housing
Resistance Code _____
Optional Suffix Letter _____
Z = Panel Mount
(Factory Installed)
Terminations
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated
(Standard)

Consult factory for other available options.

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.



REV. 08/10

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

"Trimpot" is a registered trademark of Bourns, Inc.

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

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

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