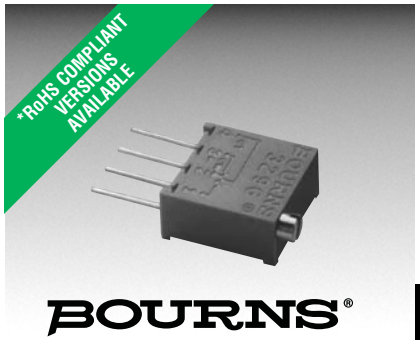


BOURNS®

Features

- 3/8 ” Square/ Multiturn / Cermet Industrial / Sealed
- Designed for operational amplifier offset voltage adjustment applications
- Reduces power supply drift errors
- Unique center tapped trimming potentiometer

Model 3296-OT1 is obsolete and not recommended for new designs.

- Vertical and horizontal adjust types available
- Mounting hardware available
- RoHS compliant* version available
- For trimmer applications/processing guidelines, click here

3296-OT1 - 3/8 ” Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range (Pin 1 to Pin 3) ..... 100 ohms to 1 megohm (see standard resistance table)
Resistance Tolerance ..... ±20 % std.
Absolute Minimum Resistance ..... 2 ohms max.
Voltage Output Variation..... +0.25 %
Adjustability (VR) ..... ±0.025 %
Insulation Resistance ..... 500 vdc. 1,000 megohms min.
Dielectric Strength
Sea Level..... 900 vac
70,000 Feet ..... 350 vac
Effective Electrical Travel, Nom. ..... 25 turns
Center Tap Resistance ..... 2 ohms max.
Center Tap Electrical Center..... ±5 %
Center Tap Dead Band..... 0.5 turn

Environmental Characteristics

Power Rating
70 °C ..... 0.5 watt
125 °C ..... 0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Stability (ΔVR) ..... ±0.5 % max.
Seal Test ..... 85 °C Fluorinert†
Humidity .....MIL-STD-202 Method 103
96 hours ..... 10 megohms min.
Vibration, 20 G..... ±1 % ΔTR
Shock, 100 G..... ±1 % ΔTR
Load Life, 1,000 Hours..... ±3 % ΔTR
Rotational Life, 200 cycles .... ±4 % ΔTR

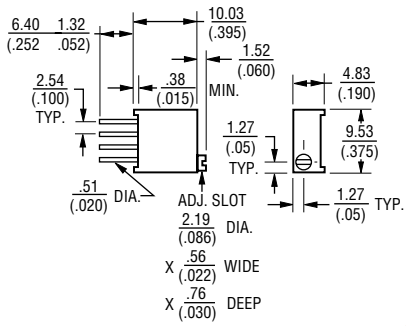
Physical Characteristics

Torque..... 3.0 oz-in. max.
Mechanical Stops..... Wiper idles
Terminals ..... Solderable pins
Weight ..... 0.03 oz.
Marking..... Manufacturer’s trademark, resistance code, wiring diagram, date code, manufacturer’s model number and style
Flammability ..... U.L. 94V-0
Standard Packaging ..... 50 pcs. per tube/tray
Adjustment Tool..... H-90

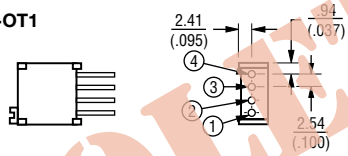
Also see Model 3386-OT1.

Product Dimensions

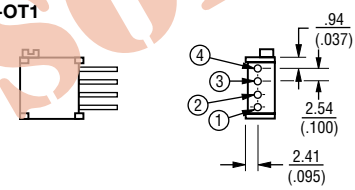
Common Dimensions

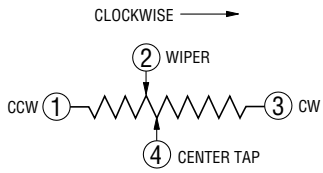


3296W-OT1



3296X-OT1





DIMENSIONS: MM / (INCHES)
TOLERANCES: ± 0.25 / (.010) EXCEPT WHERE NOTED

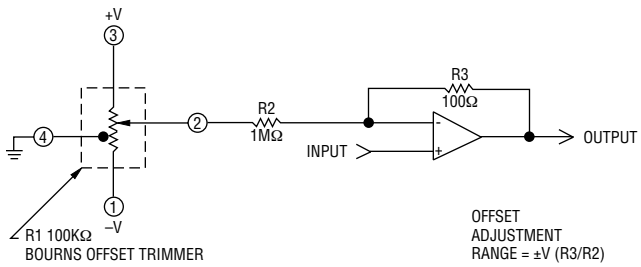
Standard Resistance Table

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

Popular values listed in boldface. Special resistances available.

Shaded areas typically not stocked by distributors and not recommended for new designs.

Suggested Offset Voltage Adjustment Circuit



How To Order

3296 X - OT1 - 103 LF

Model
Style
Catalog Product
Resistance Code
Terminations
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

REV. 10/11

*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.