

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Designed for operational amplifier offset voltage adjustment applications
- Reduces power supply drift errors
- Unique center tapped trimming potentiometer
- Vertical adjust type available



Model 3386-OT1 is currently available but not recommended for new designs.

- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

## 3386-OT1 - 3/8" Square Trimpot® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range ..... 100 ohms to 1 megohm  
 (see standard resistance table)  
 Resistance Tolerance .....  $\pm 20\%$  std.  
 Absolute Minimum Resistance ..... 2 ohms max.  
 Voltage Output Variation .....  $\pm 0.25\%$   
 Adjustability (VR) .....  $\pm 0.025\%$   
 Insulation Resistance @ 500 vdc ..... 1,000 megohms min.  
 Dielectric Strength  
 Sea Level ..... 900 vac  
 70,000 Feet ..... 350 vac  
 Effective Electrical Travel .....  $280^\circ$  nom.  
 Center Tap Resistance ..... 2 ohms max.  
 Center Tap Electrical Center .....  $\pm 5\%$   
 Center Tap Dead Band .....  $6^\circ \pm 4^\circ$

### Environmental Characteristics

Power Rating  
 85 °C ..... 0.5 watt  
 150 °C ..... 0 watt  
 Temperature Range ... -55 °C to +150 °C  
 Temperature Stability ( $\Delta VR$ ) .....  $\pm 0.5\%$  max.  
 Seal Test ..... 85 °C Fluorinert†  
 Humidity ..... MIL-STD-202 Method 103  
 96 hours  $\pm 2\%$   
 $\Delta TR$  10 Megohms min.  
 Vibration, 30 G .....  $\pm 1\%$   $\Delta TR$   
 Shock, 100 G .....  $\pm 1\%$   $\Delta TR$   
 Load Life, 1,000 Hours .....  $\pm 3\%$   $\Delta TR$   
 Rotational Life, 200 cycles ...  $\pm 4\%$   $\Delta TR$

### Physical Characteristics

Mechanical Angle .....  $310^\circ$  nom.  
 Torque ..... 5.0 oz-in. max.  
 Stop Strength ..... 15.0 oz-in. min.  
 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

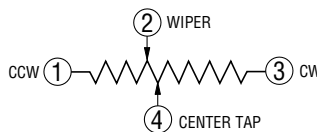
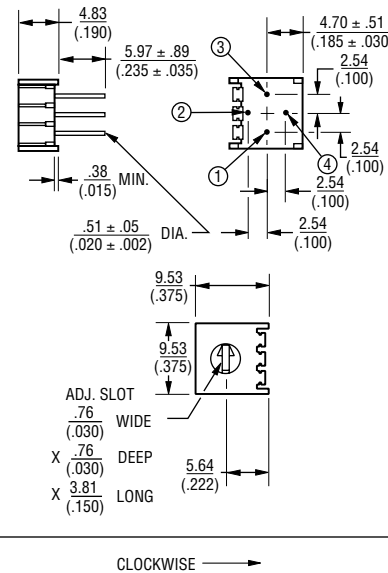
Also see [Model 3296-OT1](#).

REV. 02/11

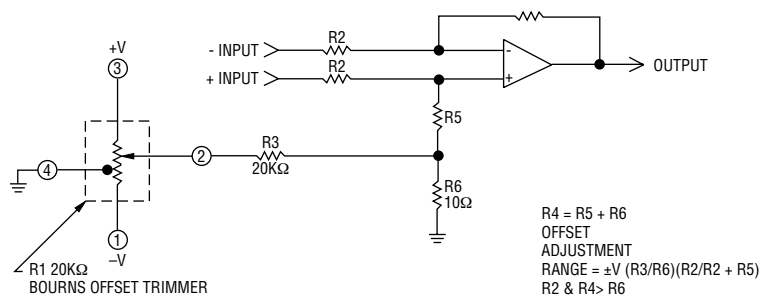
\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.  
 †"Fluorinert" is a registered trademark of 3M Co.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

### Product Dimensions

#### 3386P-OT1



### Suggested Offset Voltage Adjustment Circuit



### How To Order

**3386 P - OT1 - 103 LF**

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

### 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.

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