Features
- Single Turn / Cermet / Industrial / Sealed
- Available on tape and reel
- Available with a knob for finger adjust
- Available with extended shaft
- Available with cross-slot rotor
- Top and side adjust types (F, P, H, W, X most popular)
- RoHS compliant* version available
- For trimmer applications/processing guidelines, click here

### 3386 - 3/8” Square Trimpot® Trimming Potentiometer

#### Electrical Characteristics
- **Standard Resistance Range**:
  - 10 ohms to 2 megohms (see standard resistance table)
- **Resistance Tolerance**:
  - ±0.10 % (tighter tolerance available)
- **Absolute Minimum Resistance**:
  - 2 ohms max.
- **Contact Resistance Variation**:
  - 2 % or 3 ohms max. (whichever is greater)
- **Adjustability**:
  - Voltage Divider: ±0.05 %
  - Rheostat: ±0.15 %
  - Insulation Resistance: 500 vdc, 1,000 megohms min.
- **Dielectric Strength**
  - Sea Level: 900 vac
  - 70,000 Feet: 350 vac
- **Adjustment Angle**:
  - 280 ° nom.

#### Environmental Characteristics
- **Power Rating (300 volts max.)**
  - 85 °C: 0.5 watt
  - 125 °C: 0 watt
- **Temperature Range**
  - -55 °C to +125 °C
- **Temperature Coefficient**:
  - ±100 ppm/°C
- **Humidity**:
  - MIL-STD-202 Method 103 Seal Test:
    - 85 °C Fluorinert™
  - 96 hours
- **Load Life**:
  - 1,000 hours 0.5 watt @ 70 °C
- **Vibration**:
  - 30 G (1 % ATR, 1 % ΔVR)
- **Shock**:
  - 100 G (1 % ATR, 1 % ΔVR)
- **Rotational Life**:
  - 200 cycles
- **Temperature Coefficients**
  - ±100 ppm/°C

#### Physical Characteristics
- **Mechanical Angle**
  - 310 ° 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
- **Wiper**
  - 50 % (Actual TR) ±10 %
- **Adjustment Tool**
  - H-90

#### How To Order
- **Model**
- **Style**
  - Standard or Modified
  - Product Indicator
  - -1 = Standard Product
  - -EYS = Extended Shaft
  - Resistance Code
  - Optional Suffix Letter
  - T = Knob**
- **Packaging Designator**
  - Blank = Tube (Standard)
  - R = Tape & Reel (W and U Pin Styles Only)
  - A = Ammon Pack (W and U Pin Styles Only)
- **Terminations**
  - LF = 100 % Tin-plated (RoHS compliant)
  - Blank = 90 % Tin / 10 % Lead-plated (Standard)
- **Knob option is available only in standard tube packaging. Not recommended for side load applications. Consult factory for other available options.

### Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>20</td>
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<tr>
<td>1,000</td>
<td>102</td>
</tr>
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<tr>
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<td>105</td>
</tr>
<tr>
<td>2,000,000</td>
<td>205</td>
</tr>
</tbody>
</table>

**“Fluorinert” is a registered trademark of 3M Co.
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
3386 - 3/8" Square Trimpot® Trimming Potentiometer

Product Dimensions

Common Dimensions

3386F
ADJ. SLOT
76 (3.00)
WIDE
X
76 (3.00)
DEEP
X
.315 (.75)
LONG
COMMON TO
3386V
ADJ. SLOT
.76 (3.00)
WIDE
X
0.97 (.25)
DEEP
X
.315 (.75)
LONG
MIN.

3386G
ADJ. SLOT
.76 (3.00)
WIDE
X
.97 (.25)
DEEP
X
.305 (.77)
LONG
COMMON TO
3386V
ADJ. SLOT
.76 (3.00)
WIDE
X
.97 (.25)
DEEP
X
.305 (.77)
LONG
MIN.

3386H-EYS
ADJ. SLOT
.81 (3.20)
WIDE
X
2.54 (.100)
DEEP
X
1.40 (.055)
LONG

3386X-EYS – SHOWN
ADJ. SLOT
.81 (3.20)
WIDE
X
2.54 (.100)
DEEP
X
1.40 (.055)
LONG

Common Dimensions
Top Adjust Models M,T

3386U
ADJ. SLOT
1.875 (1.875)
WIDE
X
.51 (.125)
DEEP
X
.38 (.095)
LONG
MIN.

3386V
ADJ. SLOT
1.875 (1.875)
WIDE
X
.51 (.125)
DEEP
X
.38 (.095)
LONG
MIN.

3386W
ADJ. SLOT
1.875 (1.875)
WIDE
X
.51 (.125)
DEEP
X
.38 (.095)
LONG
MIN.

The Model 3386 is available with a knob for finger adjustment. Add suffix letter "T" to order code for F, P and X terminal styles.

Common Dimensions
Top Adjust Models M,T

3386M
ADJ. SLOT
.76 (3.00)
WIDE
X
9.53 (.375)
DEEP
X
.53 (.210)
LONG
MIN.

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3386 - 3/8” Square Trimpot® Trimming Potentiometer

Packaging Specifications

SIDE ADJUST
3386W-1

TOP ADJUST
3386U-1

Meets EIA Specification 468.

DIMENSIONS:

REV. 09/13

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