



## 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<br>(see standard resistance table) |
| Resistance Tolerance         | ±10 % std.<br>(tighter tolerance available)             |
| Absolute Minimum Resistance  | 2 ohms max.                                             |
| Contact Resistance Variation | 2 % or 3 ohms max.<br>(whichever is greater)            |
| Adjustability                |                                                         |
| Voltage                      | ±0.05 %                                                 |
| Resistance                   | ±0.15 %                                                 |
| Resolution                   | Infinite                                                |
| Insulation Resistance        | 500 vdc.<br>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                                                                           |
| Seal Test                     | 85 °C Fluorinert†                                                                     |
| Humidity                      | MIL-STD-202 Method 103<br>96 hours<br>(2 % ΔTR, 10 Megohms min.)                      |
| Vibration                     | 30 G (1 % ΔTR; 1 % ΔVR)                                                               |
| Shock                         | 100 G (1 % ΔTR; 1 % ΔVR)                                                              |
| Load Life                     | 1,000 hours 0.5 watt @ 70 °C<br>(3 % ΔTR; 1 % or 1 ohm,<br>whichever is greater, CRV) |
| Rotational Life               | 200 cycles<br>(4 % ΔTR; 1 % or 1 ohm,<br>whichever is greater, CRV)                   |

### Physical Characteristics

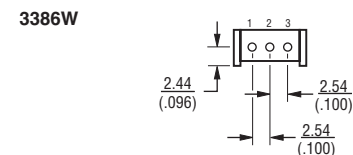
|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Mechanical 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<br>trademark, resistance code,<br>wiring diagram, date code,<br>manufacturer's model<br>number and style |
| Flammability       | U.L. 94V-0                                                                                                              |
| Standard Packaging | 50 pcs. per tube                                                                                                        |
| Wiper              | 50 % (Actual TR) ±10 %                                                                                                  |
| Adjustment Tool    | H-90                                                                                                                    |

### Product Dimensions

#### Common Dimensions Side Adjust Models B,C,J,X



#### Common Dimensions Side Adjust Models H,S,W



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

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

### 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 resistance values listed in boldface. Special resistances available.

### How To Order

|                                                |             |          |           |             |          |           |
|------------------------------------------------|-------------|----------|-----------|-------------|----------|-----------|
| Model                                          | <b>3386</b> | <b>P</b> | <b>-1</b> | <b>-103</b> | <b>T</b> | <b>LF</b> |
| Style                                          |             |          |           |             |          |           |
| Standard or Modified                           |             |          |           |             |          |           |
| Product Indicator                              |             |          |           |             |          |           |
| -1 = Standard Product                          |             |          |           |             |          |           |
| -EY5 = Extended Shaft                          |             |          |           |             |          |           |
| Resistance Code                                |             |          |           |             |          |           |
| Optional Suffix Letter                         |             |          |           |             |          |           |
| T = Knob**                                     |             |          |           |             |          |           |
| Packaging Designator                           |             |          |           |             |          |           |
| Blank = Tube (Standard)                        |             |          |           |             |          |           |
| R = Tape & Reel (W and U Pin Styles Only)      |             |          |           |             |          |           |
| A = Ammo 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.  
Consult factory for other available options.

\*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.

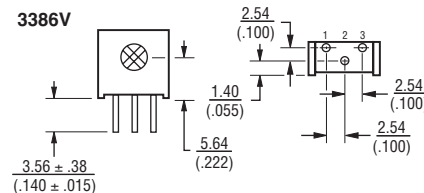
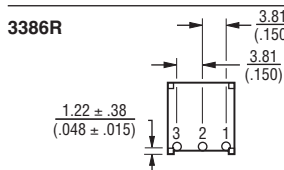
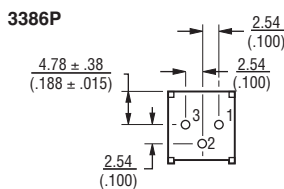
Customers should verify actual device performance in their specific applications.

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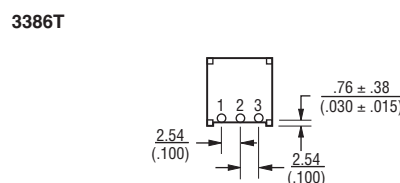
**BOURNS®**

## Product Dimensions

### Common Dimensions Top Adjust Models F,G,K,P,R,U,V,Y



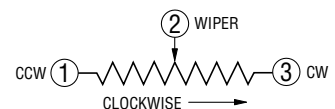
### Common Dimensions Top Adjust Models M,T



### 3386H-EY5 3386X-EY5 – SHOWN



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.



DIMENSIONS: MM (INCHES)  
TOLERANCES: ± 0.25 (0.010) EXCEPT WHERE NOTED

Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

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

**BOURNS®**

## Packaging Specifications

### SIDE ADJUST 3386W-1



### TOP ADJUST 3386U-1



Meets EIA Specification 468.

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

REV. 10/11

"Trimpot" is a registered trademark of Bourns, Inc.  
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Customers should verify actual device performance in their specific applications.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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