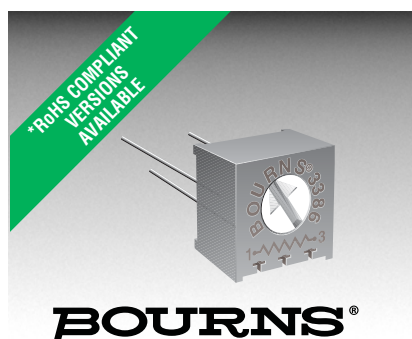




Features

- 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)

- High voltage types available (see [Model 3386 HV2/3386 HV3](#) for details)
- 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 $\pm 10\%$ std.
(tighter tolerance available)

Absolute Minimum Resistance
..... 2 ohms max.

Contact Resistance Variation
..... 2 % or 3 ohms max.
(whichever is greater)

Adjustability
Voltage $\pm 0.05\%$
Resistance $\pm 0.15\%$

Resolution Infinite

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 $+125^\circ\text{C}$

Temperature Coefficient ... ± 100 ppm/°C

Seal Test 85 °C Fluorinert†

Humidity MIL-STD-202 Method 103
96 hours
(2 % Δ TR, 10 Megohms min.)

Vibration 30 G (1 % Δ TR; 1 % Δ VR)

Shock 100 G (1 % Δ TR; 1 % Δ VR)

Load Life.. 1,000 hours 0.5 watt @ 70 °C
(3 % Δ TR; 1 % or 1 ohm,
whichever is greater, CRV)

Rotational Life 200 cycles
(4 % Δ TR; 1 % or 1 ohm,
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
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style

Flammability U.L. 94V-0

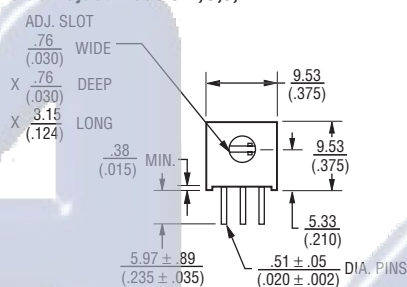
Standard Packaging 50 pcs. per tube

Wiper 50 % (Actual TR) $\pm 10\%$

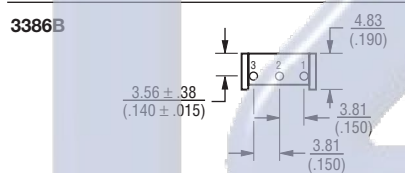
Adjustment Tool H-90

Product Dimensions

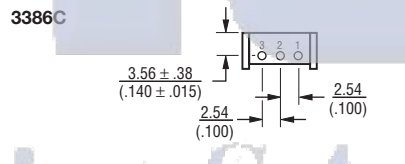
Common Dimensions Side Adjust Models B,C,J,X



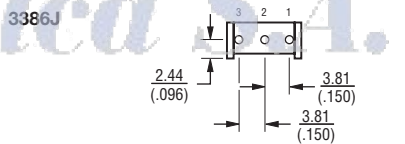
3386B



3386C

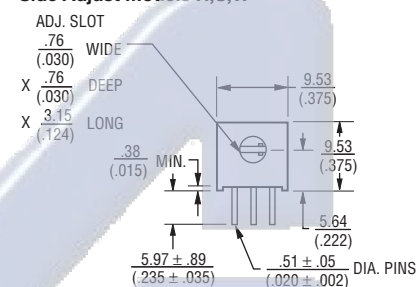


3386J

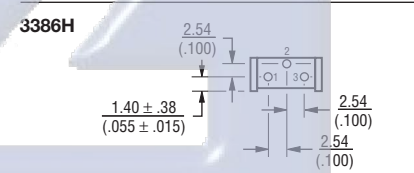


3386X

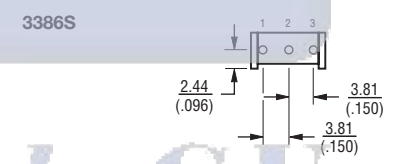
Common Dimensions Side Adjust Models H,S,W



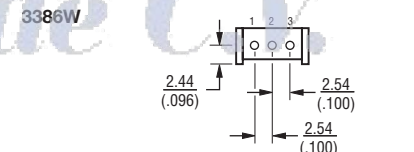
3386H



3386S



3386W



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

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

How To Order

3386 P - 1 - 103 T LF

Model _____

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.

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.

*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.