

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	±10 % std.
	(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 %
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 °C
Temperature Coefficient	±100 ppm/°C
Seal Test	85 °C Fluorinert†
Humidity	MIL-STD-202 Method 103
	96 hours
	(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
	(3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
Rotational Life	200 cycles
	(4 % ΔTR; 3 % or 3 ohms, 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) ±10 %
Adjustment Tool	H-90

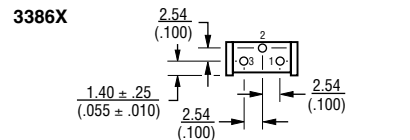
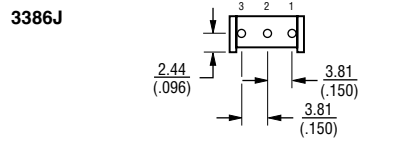
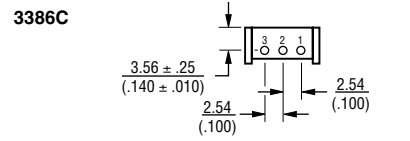
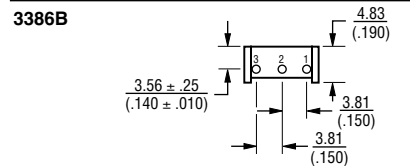
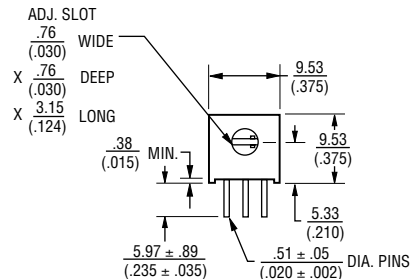


WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

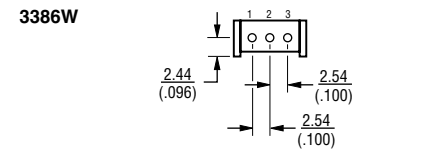
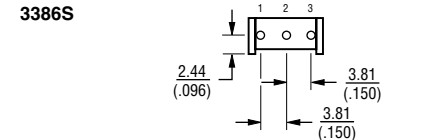
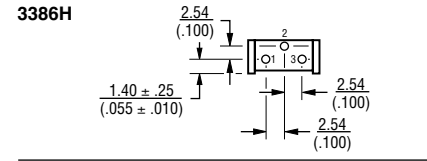
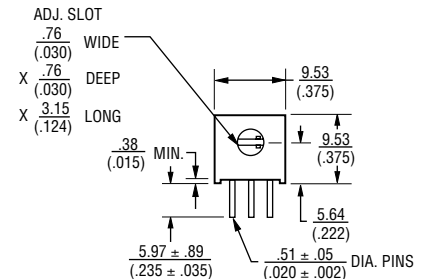
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Product Dimensions

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

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)

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

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.

†“Fluorinert” is a registered trademark of 3M Co. “Trimpot” is a trademark of Bourns, Inc.

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.

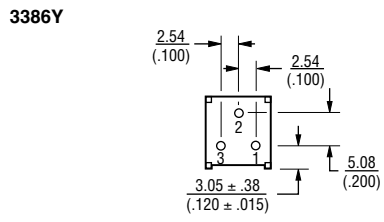
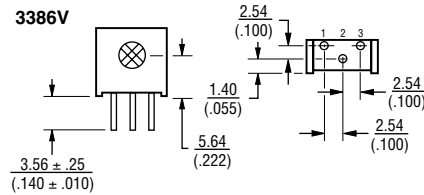
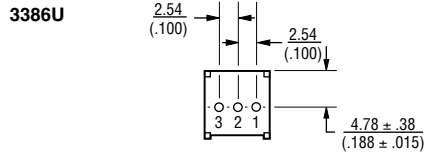
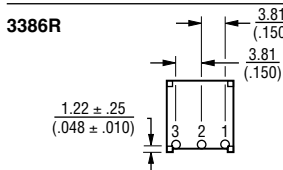
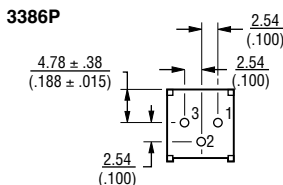
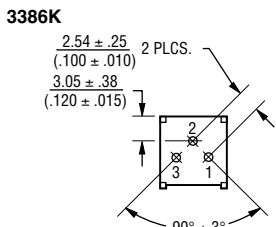
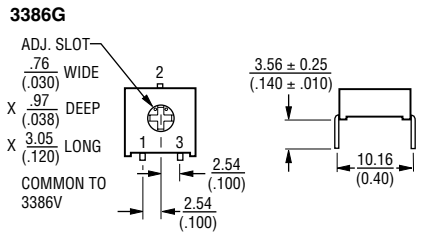
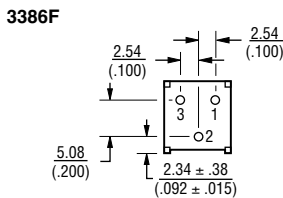
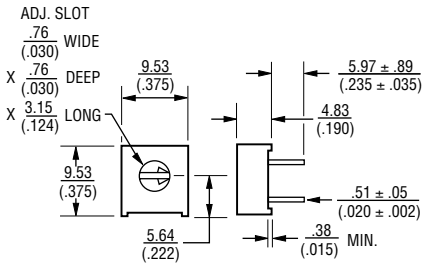
*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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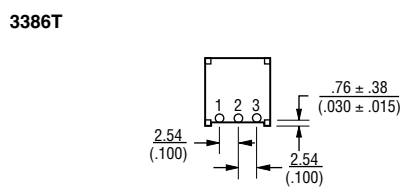
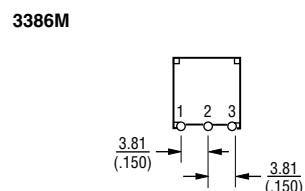
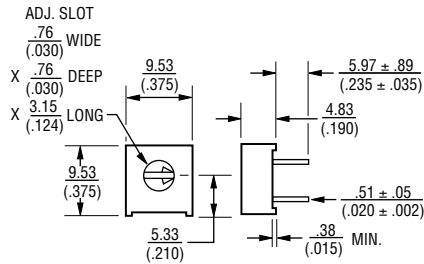
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Product Dimensions

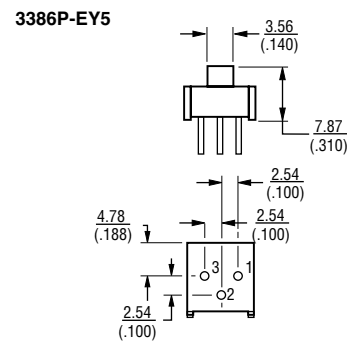
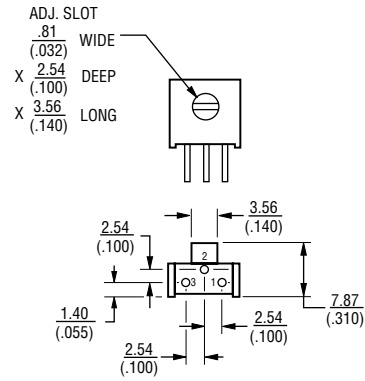
Common Dimensions Top Adjust Models F,G,K,P,R,U,V,Y



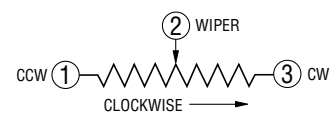
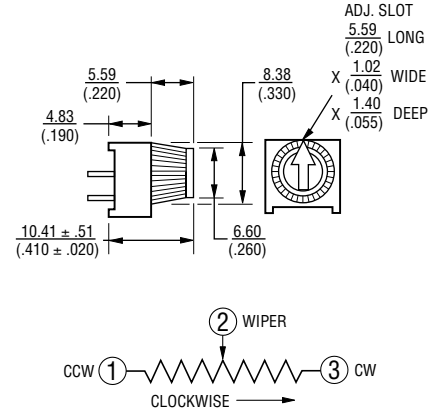
Common Dimensions Top Adjust Models M,T



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.



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

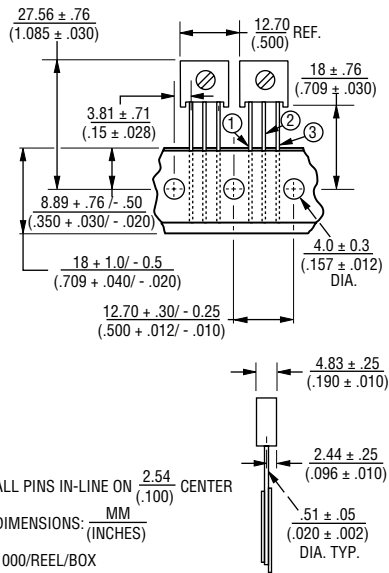
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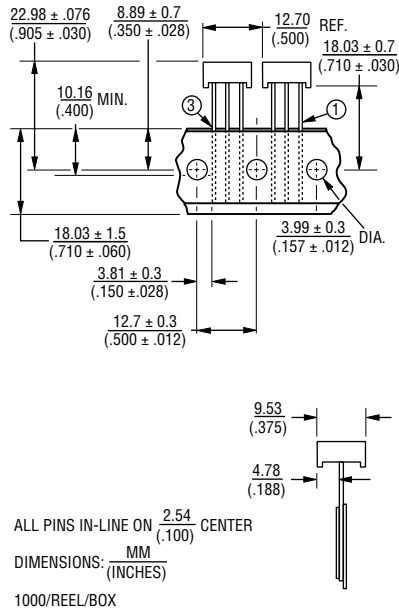
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Packaging Specifications

SIDE ADJUST 3386W-1



TOP ADJUST 3386U-1



Meets EIA Specification 468.

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

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REV. 08/19

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