

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Compatible with surface mount manufacturing processes
- RoHS compliant\* - see [processing information](#) on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, [click here](#)

## 3361 - 1/4 " Square SMD Trimpot® Trimming Potentiometer

### Electrical Characteristics

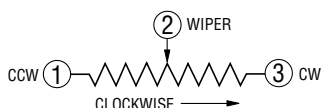
Std. Resistance Range..... 10 to 2 megohms  
(see standard resistance table)  
Resistance Tolerance.....  $\pm 10\%$  std.  
(tighter tolerance available)  
Absolute Minimum Resistance..... 1 % or 2 ohms  
(whichever is greater)  
Contact Resistance Variation..... 3 % or 3 ohms max.  
(whichever is greater)  
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  
80,000 Feet..... 350 vac  
Adjustment Angle..... 240 ° nom.

### Environmental Characteristics

Maximum Soldering Exposure  
(Temp/Time)..... +260 °C/20 sec. max.  
above 255 °C  
Power Rating (300 volts max.)  
70 °C..... 0.50 watt  
125 °C..... 0 watt  
Temperature Range..... -55 °C to +125 °C  
Temperature Coefficient.....  $\pm 100$  ppm/°C  
Seal Test..... 85 °C Fluorinert†/60 seconds  
Humidity..... MIL-STD-202 Method 103  
96 hours  
(2 %  $\Delta$ TR; 10 Megohms IR)  
Vibration..... 30 G (1 %  $\Delta$ TR; 1 %  $\Delta$ VR)  
Shock..... 100 G (1 %  $\Delta$ TR; 1 %  $\Delta$ VR)  
Load Life..... 1,000 hours 0.5 watt @ 70 °C  
(3 %  $\Delta$ TR; 3 % or 3 ohms,  
whichever is greater, CRV)  
Rotational Life..... 200 cycles  
(4 %  $\Delta$ TR; 3 % or 3 ohms,  
whichever is greater, CRV)

### Physical Characteristics

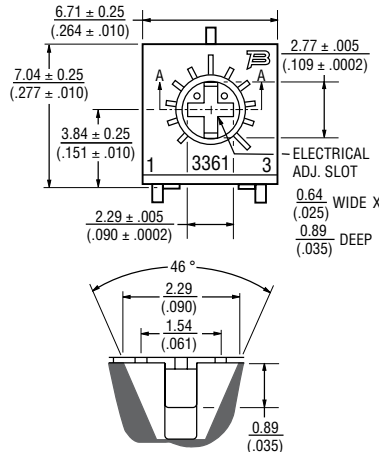
Mechanical Angle..... 270 ° nom.  
Torque..... 3.0 oz-in. max.  
Stop Strength..... 7.0 oz-in. min.  
Terminals..... Solderable pins  
Weight..... 0.02 oz.  
Marking..... Resistance code,  
terminal numbers, manufacturer's  
model number, style  
and date code  
Wiper..... 50 % (Actual TR)  $\pm 10\%$   
Flammability..... U.L. 94V-0  
Standard Packaging  
"S" Style..... 500 pcs./13 " reel  
"P" Style..... 750 pcs./13 " reel  
Adjustment Tool..... H-90  
MSL..... 3



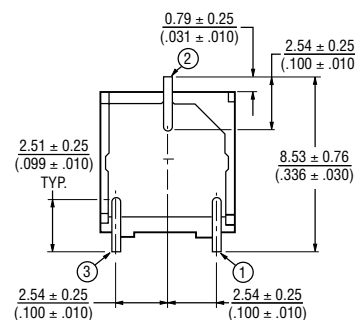
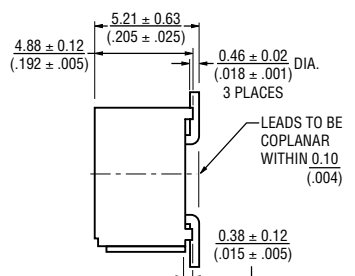
TOLERANCES:  $\frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

### Product Dimensions

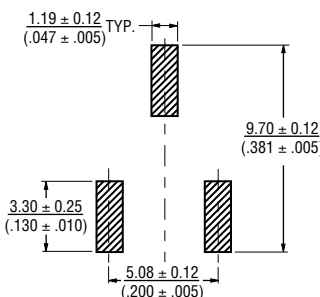
3361P



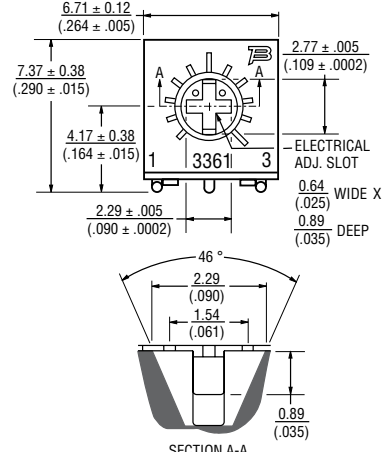
SECTION A-A



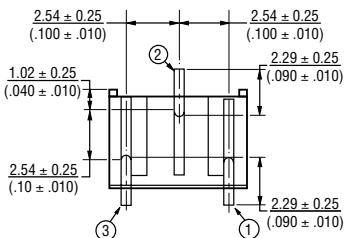
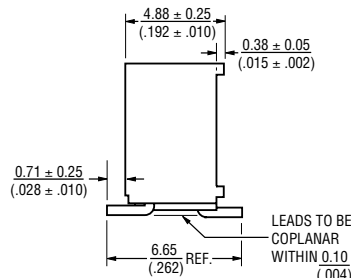
### Recommended Land Pattern



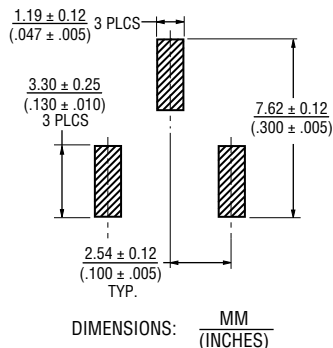
3361S



SECTION A-A



### Recommended Land Pattern



\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
†"Fluorinert" is a registered trademark of 3M Co.  
Specifications are subject to change without notice.  
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
Users should verify actual device performance in their specific applications.

# 3361 - 1/4 " Square SMD Trimpot® Trimming Potentiometer

**BOURNS®**

## How To Order

**3361 P - 1 - 502 G LF**

Model \_\_\_\_\_  
 Style \_\_\_\_\_  
 Standard or Modified  
 Product Indicator \_\_\_\_\_  
 -1 = Standard Product  
 Resistance Code \_\_\_\_\_  
 Packaging Designator \_\_\_\_\_  
 G = Embossed Tape  
 "S" Style = 500 pcs./13 " reel  
 "P" Style = 750 pcs./13 " reel  
 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)  
 Consult factory for other available options.

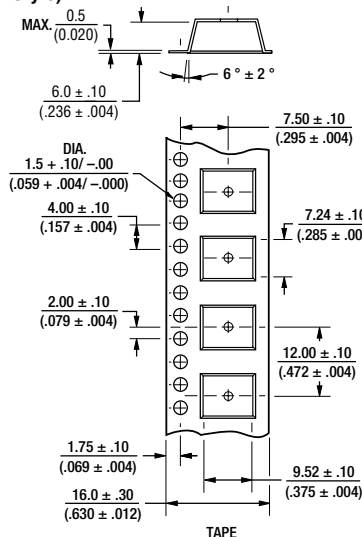
## Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
<b>100</b>	<b>101</b>
<b>200</b>	<b>201</b>
<b>500</b>	<b>501</b>
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
<b>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
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.

## Packaging Specifications

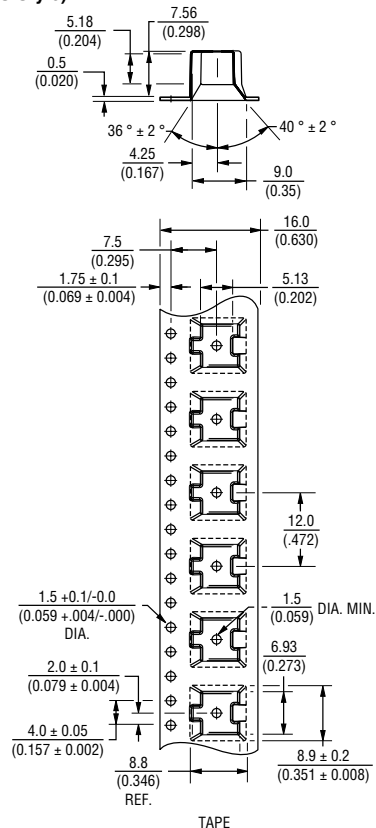
### (P Style)



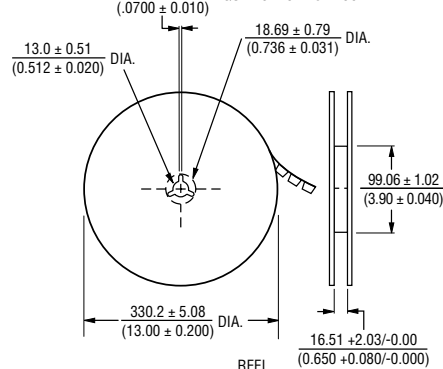
UNITS PACKAGED 750 PIECES PER REEL.

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

### (S Style)



### (S Style)



UNITS PACKAGED 500 PIECES PER REEL.

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

REV. 11/16

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