

## **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 <u>processing</u> <u>information</u> on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

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

#### **Additional Information**

Click these links for more information:











**SAMPLES** 

CONTACT

## **Electrical Characteristics**

Std. Resistance Range...... 10 to 2 megohms (see standard resistance table) Resistance Tolerance .....±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 ......±0.05 % Resistance ......±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 ...... ±100 PPM/°C Seal Test...... 85 °C / 60 seconds Humidity..... MIL-STD-202 Method 103 96 hours (2 %  $\Delta$ TR; 10 Megohms IR) 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,

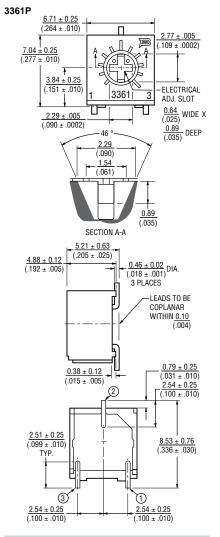
whichever is greater, CRV) Rotational Life......200 cycles

(4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

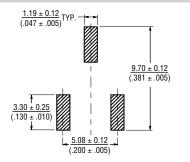
 EXCEPT WHERE NOTED TOLERANCES:

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

#### **Product Dimensions**



## **Recommended Land Pattern**

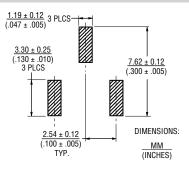


## 3361S 6.71 ± 0.12 $(.264 \pm .005)$ (.109 ± .0002) 7.37 ± 0.38 - ELECTRICAL $(.164 \pm .015)$ 3361 3 ADJ. SLOT $\frac{0.64}{(.025)}$ WIDE X 2.29 ± .005 0.89 ( 035) DEEP (.090 ± .0002) 46 (.061) SECTION A-A 0.38 ± 0.05 (.015 ± .002) $0.71 \pm 0.25$ LEADS TO BE WITHIN <u>0.10</u> (.004) 2.54 ± 0.25 (.100 ± .010) 2 2.29 ± 0.25 (.090 ± .010)

## **Recommended Land Pattern**

2.54 ± 0.25

 $(.10 \pm .010)$ 



2.29 ± 0.25 (.090 ± .010)

Specifications area subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

<sup>&</sup>quot;Trimpot" is a trademark of Bourns, Inc.

<sup>\*</sup>RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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

Physical Characteristics			
Mechanical Angle 270 ° nom.			
Torque3.0 oz-in. max.			
Stop Strength7.0 oz -in. min.			
Terminals Solderable pins			
Weight0.02 oz.			
MarkingResistance code,			
terminal numbers, manufacturer's			
model number, style			
and date code			
Wiper 50 % (Actual TR) ±10 %			
FlammabilityU.L. 94V-0			
Standard Packaging			
"S" Style			
"P" Style750 pcs./13 " reel			
Adjustment Tool			
MSL3			
② WIPER			
ccw ①— <b>/</b> ////—③ cw			

CLOCKWISE ----

How	To Order	
	3361 P - 1 - 502	G LF
Model -		
Style —		
Product	d or Modified Indicator ————————————————————————————————————	
Resistar	ice Code —	
	ng Designator Embossed Tape "S" Style = 500 pcs./13 " reel "P" Style = 750 pcs./13 " reel	
	d reel material meets Antistatic Al 41-2003 packaging standards.	NSI
	ions ————————————————————————————————————	ant)

Consult factory for other available options.

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

# **BOURNS**®

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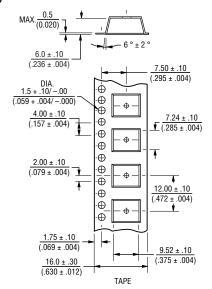
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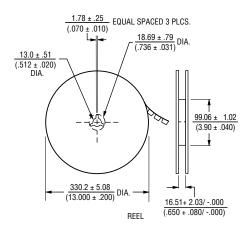
# 3361 – 1/4 "Square SMD Trimpot® Trimming Potentiometer

# BOURNS®

## **Packaging Specifications**

(P Style)





UNITS PACKAGED 750 PIECES PER REEL.

DIMENSIONS: MM

## REV. 06/24

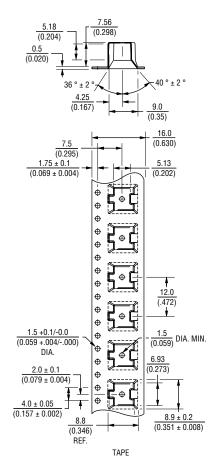
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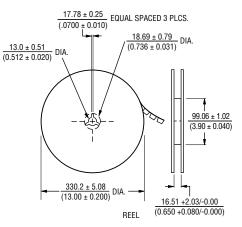
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(S Style)





UNITS PACKAGED 500 PIECES PER REEL.

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

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