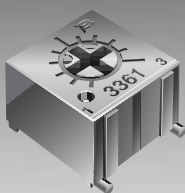


AVAILABLE
THROUGH
DISTRIBUTION



BOURNS®

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

3361- 1/4" Square SMD Trimming Potentiometer

Electrical Characteristics

Standard 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	1% 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

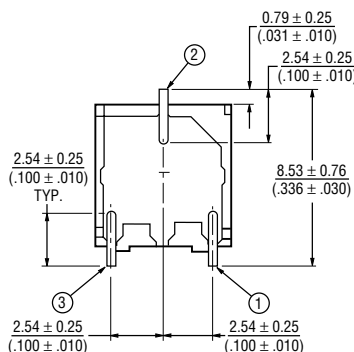
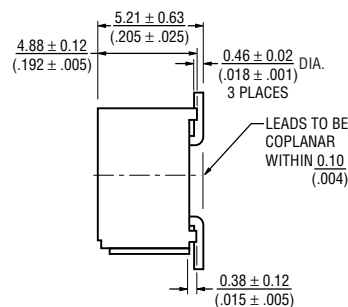
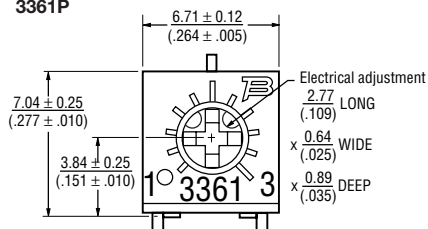
Maximum Soldering Exposure (Temp/Time)	+245°C/10 Sec.
Power Rating (300 volts max.)	
70°C	0.50 watt
125°C	0 watt
Temperature Range	-55°C to +125°C
Temperature Coefficient	±100ppm/°C
Seal Test	85°C Fluorinert*
Humidity	MIL-STD-202 Method 103 96 hours (2% ΔTR; 10 Megohms IR)
Vibration	30G (1% ΔTR; 1% ΔVR)
Shock	100G (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

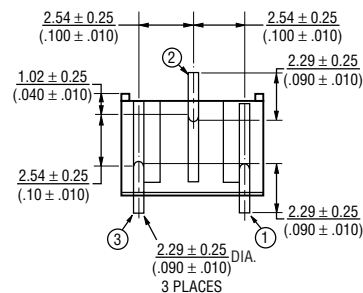
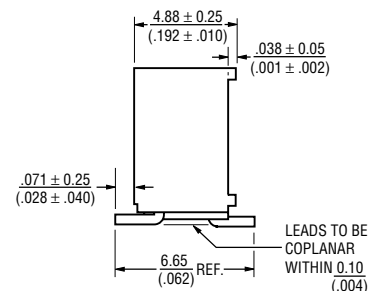
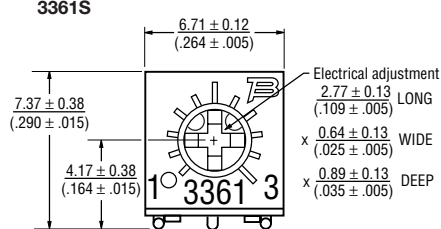
Mechanical Angle	270° nom.
Torque	3.0 oz-in. max.
Stop Strength	7.0 oz-in. min.
Terminals	Solderable pins
Weight	0.02 oz.
Marking	Resistance code, terminal numbers, manufacturer's model number, style and date code
Wiper	Positioned at 50% nominal
Flammability	U.L. 94V-0
Standard Packing	
"S" Style	500 pcs./13" reel
"P" Style	750 pcs./13" reel
Adjustment Tool	H-90

Product Dimensions

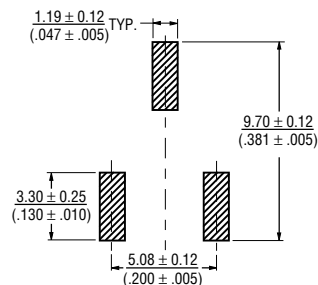
3361P



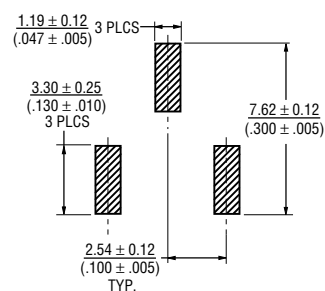
3361S



Recommended Land Pattern

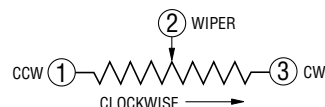


Recommended Land Pattern



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC
(INCHES)



3361 - 1/4" Square SMD Trimming Potentiometer

BOURNS®

How to Order

Model **3361 P - 1 - 502 G**
 Style _____
 Standard or Modified Product Indicator _____
 -1 = Standard Product
 Resistance Code _____
 Optional Suffix Letter _____
 G = Embossed Tape
 "S" Style = 500 pcs./13" reel
 "P" Style = 750 pcs./13" reel

Consult factory for other available options.

Standard Resistance Table

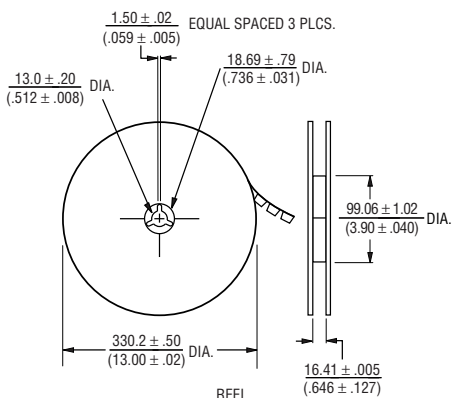
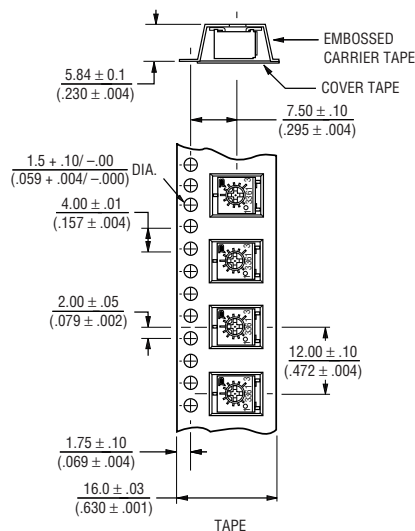
Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.

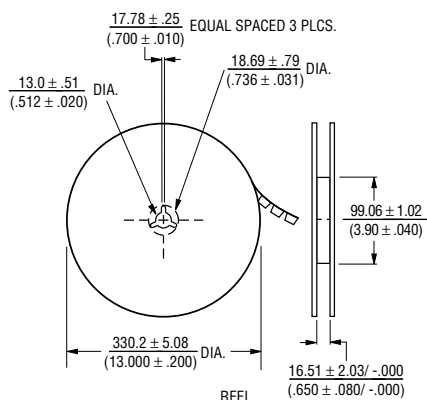
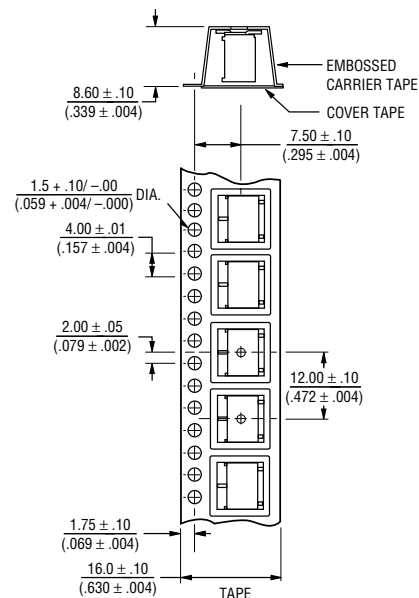
Packaging Specifications

(P Style)



Packaging Specifications

(S Style)



UNITS PACKAGED 750 PIECES PER REEL.

UNITS PACKAGED 500 PIECES PER REEL.



Asia-Pacific:

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FAX +886- (0)2 25624116

Europe:

TEL +41-41 7685555

FAX +41-41 7685510

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TEL +1- (1)909 781-5500

FAX +1- (1)909 781-5700

www.bourns.com

Specifications are subject to change without notice.

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