

Features

- 2 mm Square / Surface Mount / Single-Turn / Sealed
- Compatible with surface mount manufacturing processes
- Miniature design for flexibility
- Constructed with lead free materials
- Automated placement compatible
- Rotor stop for "in circuit" adjustment
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount trimmers

3342 - 2 mm Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
100 ohms to 1 megohm
 (see standard resistance table)
 Resistance Tolerance ±20 % std.
 End Resistance 1 % or 2 ohms max.
 (whichever is greater)
 Contact Resistance Variation
 2 % or 3 ohms max.
 (whichever is greater)

Adjustability
 Voltage Divider ±0.2 %
 Rheostat ±0.4 %

Resolution Essentially infinite
 Insulation Resistance @ 500 VDC
 100 megohms min.

Dielectric Strength
 Sea Level 500 VAC
 70,000 Feet 350 VAC
 Adjustment Angle 240 ° nominal

Environmental Characteristics

Power Rating (50 volts max.)
 70 °C 0.1 watt
 125 °C 0 watt

Operating Temperature Range
 -55 °C to +125 °C

Temperature Coefficient ... ±150 ppm/°C

Humidity MIL-STD-202 Method 106
 (no vibration) TRS ±3 %
 IR 10 megohms

Vibration 20 G
 TRS ±1 %; VRS ±1 %

Shock 100 G
 TRS ±1 %; VRS ±1 %

Load Life @ 70 °C Rated Power
 TRS ±3 %

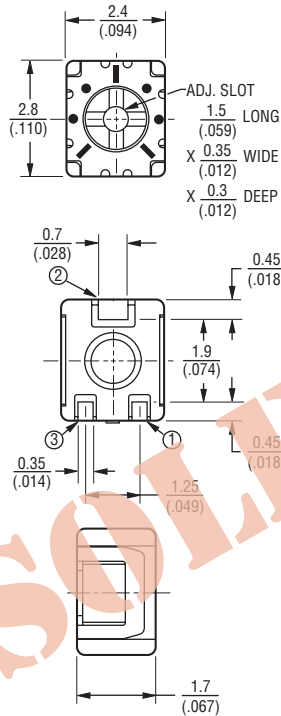
Rotational Life 50 cycles
 TRS ±3 %

Thermal Shock 5 cycles
 TRS ±2 %; VRS ±1 %

Physical Characteristics

Mechanical Angle 270 ° nom.
 Torque 0.7 oz-in. max.
 Stop Strength 1 oz-in. min.
 Flammability U.L. 94V-0
 Weight Approximately 0.0321 g
 Marking Resistance code
 and date code
 Standard Packaging 500 pcs./7 " reel

Product Dimensions



Standard Resistance Table

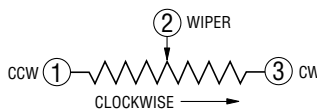
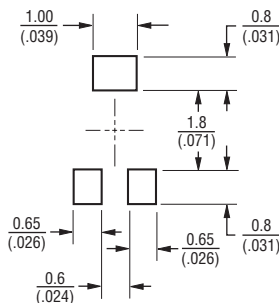
Resistance (Ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

How To Order

3342 J - 1 - 502 E

Model _____
 Style _____
 Standard Product Indicator
 -1 = Standard Product
 Resistance Code _____
 Embossed Tape Designator _____

Recommended Land Pattern



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

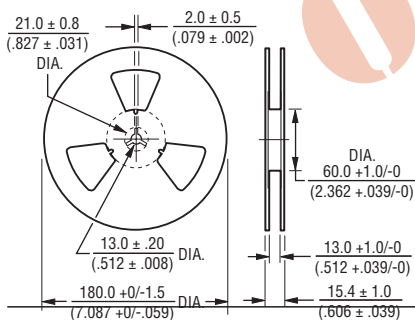
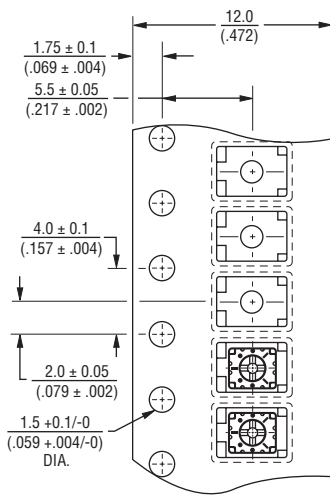
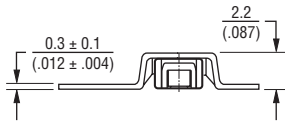
TOLERANCES: $\frac{0.25}{(.010)}$ EXCEPT WHERE NOTED

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications

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BOURNS®

Packaging Dimensions



Recommended PCB Layout

REEL

Meets EIA 481

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

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

OBSOLETE

REV. 06/11

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