

Features

- Miniature package for design flexibility
- Long operating life
- Conductive plastic element
- Bushing or PC board mount
- Quadrature output

3315 - 9mm Square Sealed Incremental Encoder

Electrical Characteristics

Output.....2-bit gray code,
 Channel A leads Channel B
 electrically turning clockwise (CW)
 Closed Circuit Resistance.....5 ohms
 maximum
 Contact Rating.....100 milliamp
 @ 16 VDC maximum
 Insulation Resistance (500 VDC)
1,000 megohms minimum
 Dielectric Withstanding Voltage
 Sea Level900 VAC minimum
 Electrical Travel.....Continuous
 Contact Bounce
5 milliseconds maximum
 RPM (Operating).....120 maximum

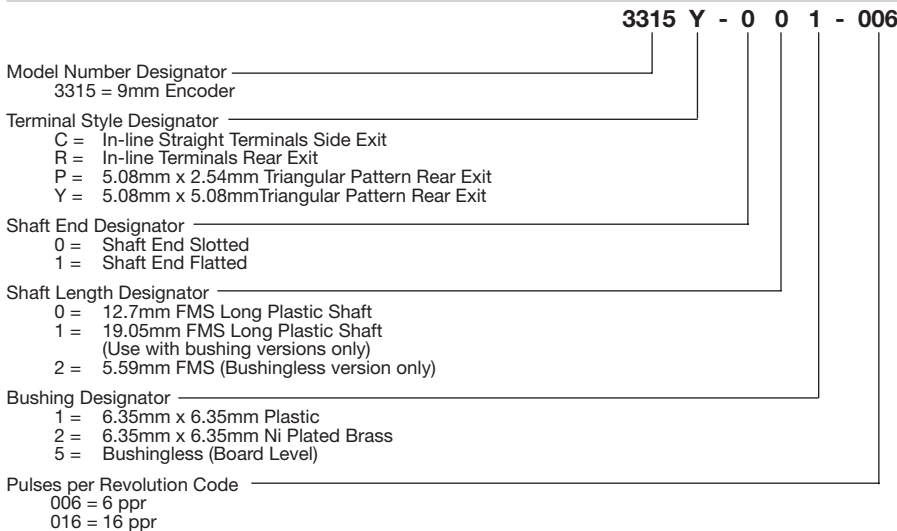
Environmental Characteristics

Temperature Range-55°C to +125°C
 Vibration30G
 Contact Bounce
5.0 millisecond maximum
 Shock100G
 Contact Bounce
5.0 millisecond maximum
 Rotational Life....100,000 cycles @ 6PPR
 25,000 cycles @ 16ppr

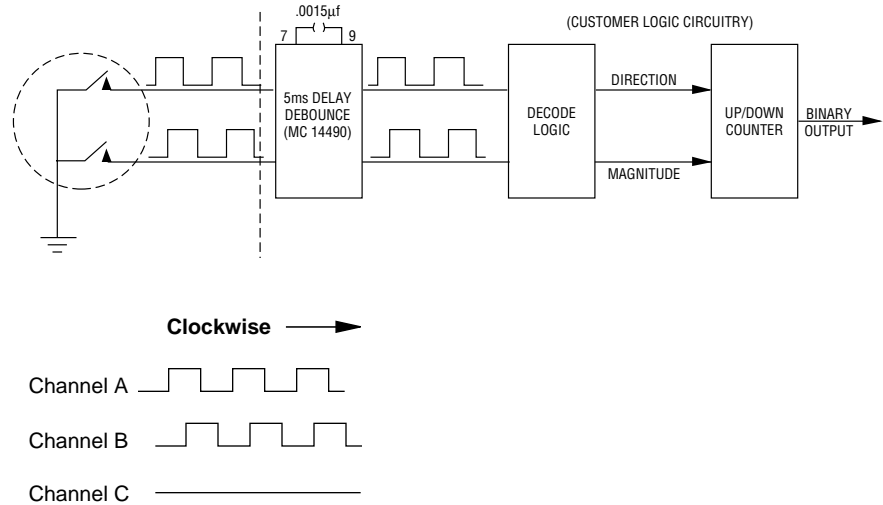
Mechanical Characteristics

Mechanical AngleContinuous
 Torque5 oz-in. maximum
 MarkingManufacturer's symbol and
 model number, product code,
 terminal style, date code and
 resistance code

Part Numbering System



Recommended Incremental Control Diagram

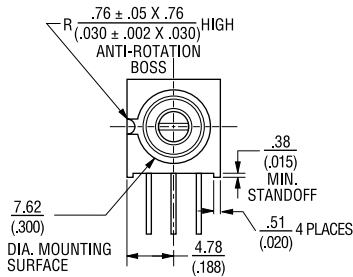
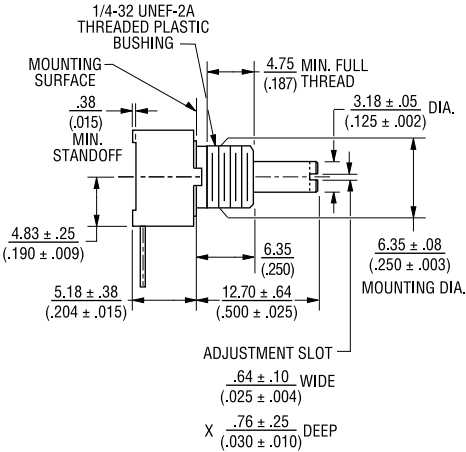
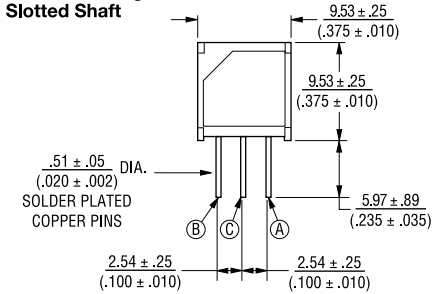


3315 - Dimensions and Tolerances

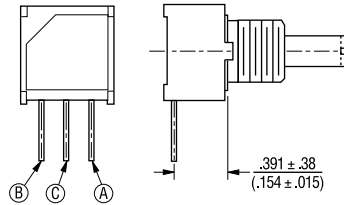


COMMON DIMENSIONS

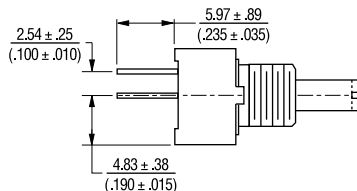
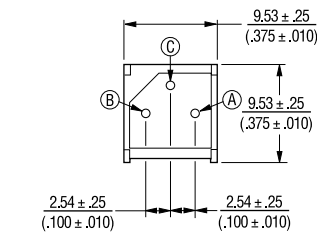
3315-001 Plastic Bushing Slotted Shaft



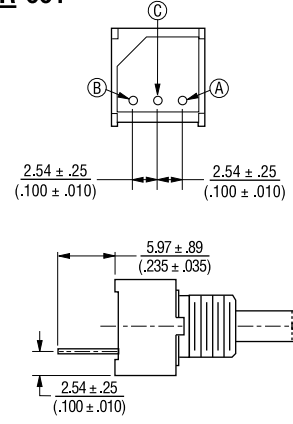
3315C-001



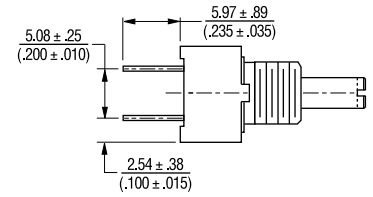
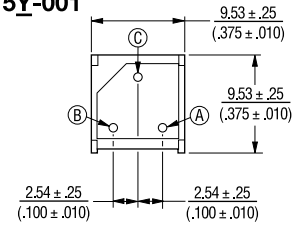
3315P-001



3315R-001

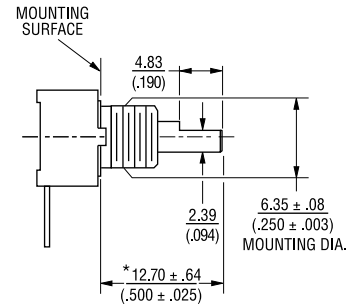


3315Y-001



COMMON DIMENSIONS

3315C-101 Plastic Flatted Shaft

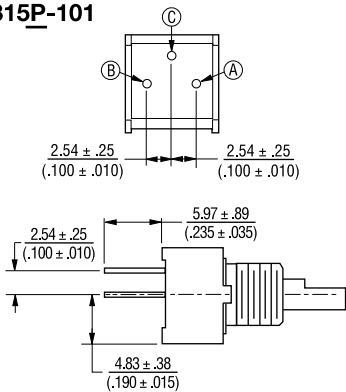


*FMS = From Mounting Surface

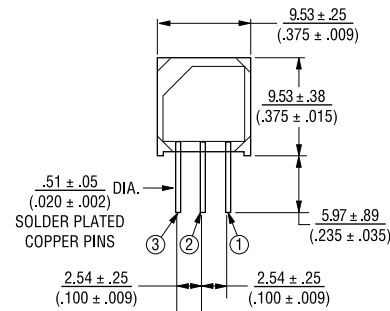
3315 - Dimensions and Tolerances

BOURNS®

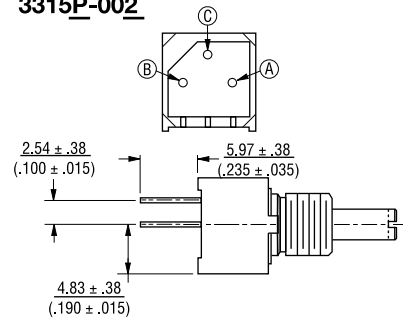
3315P-101



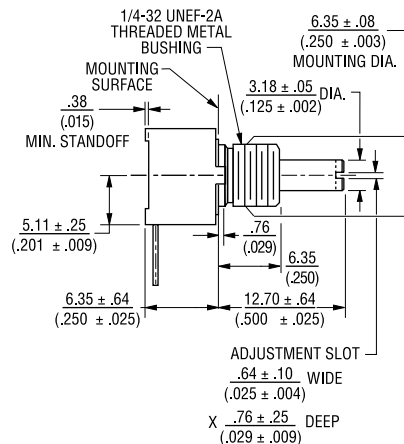
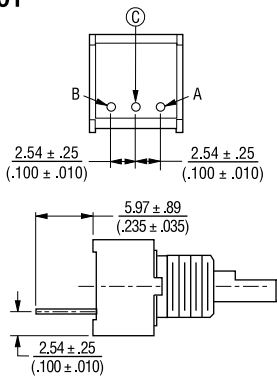
COMMON DIMENSIONS 3315-002 Metal Bushing



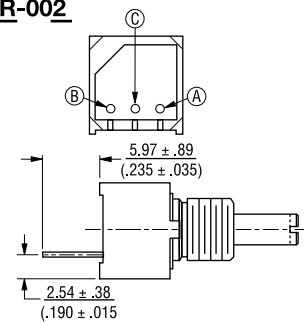
3315P-002



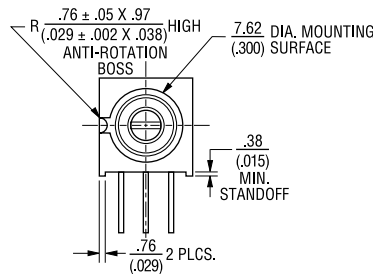
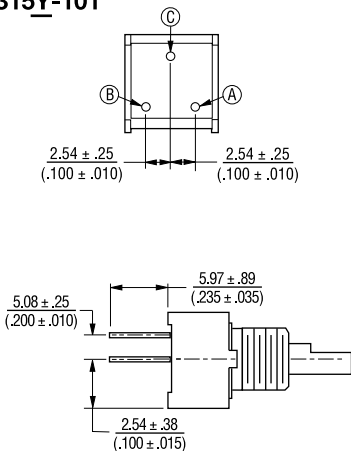
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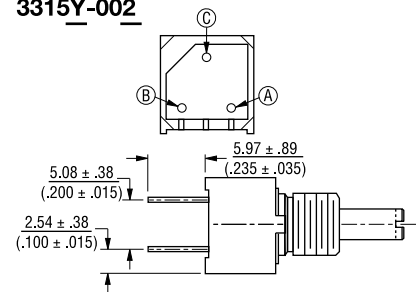
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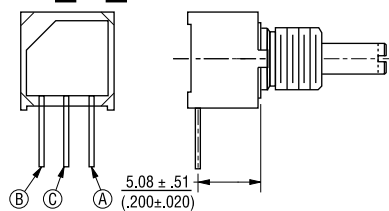
3315Y-101



3315Y-002



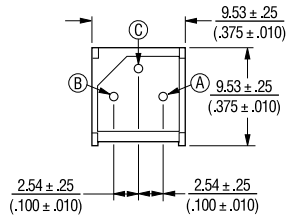
3315C-002



3315 - Dimensions and Tolerances



3315P-025
Bushings



3315Y-025
Bushings

