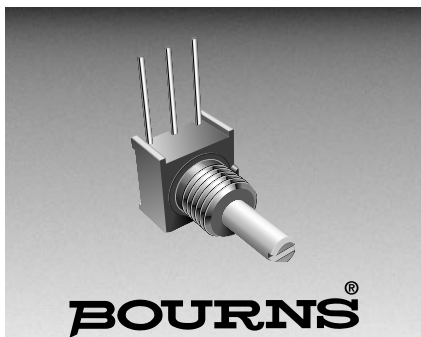




Features

- 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
RatingTTL compatible loads
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

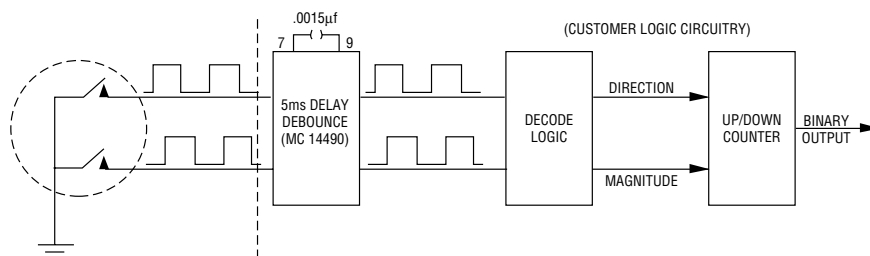
Environmental Characteristics

Operating Temperature...+1°C to +125°C
Storage Temperature.....-55°C to +125°C
Vibration30G
Contact Bounce
.....5.0 millisecond maximum
Shock100G
Contact Bounce
.....5.0 millisecond maximum
Rotational Life100,000 cycles @ 6PPR
25,000 cycles @ 16PPR

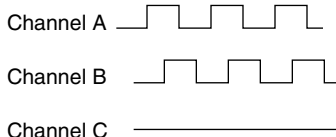
Mechanical Characteristics

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

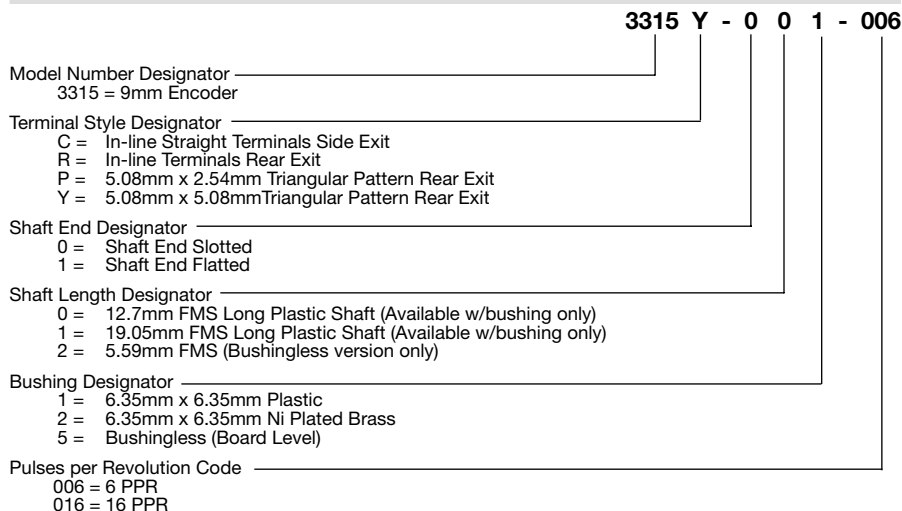
Suggested Incremental Control Diagram



Clockwise →



Part Numbering System



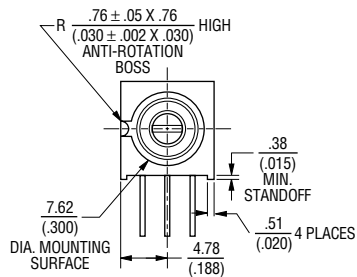
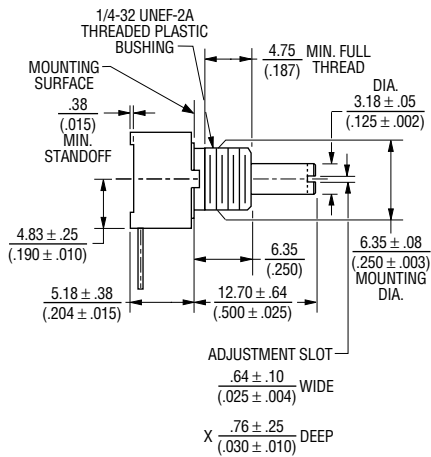
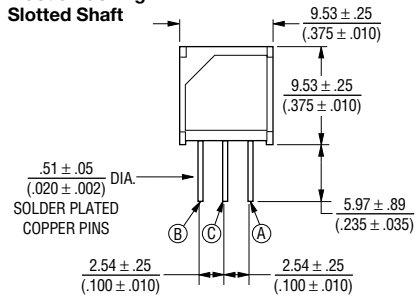
3315 - Dimensions and Tolerances

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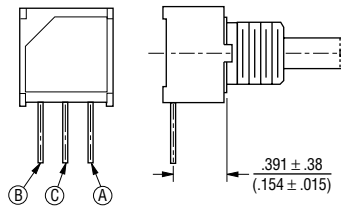
COMMON DIMENSIONS

3315-001

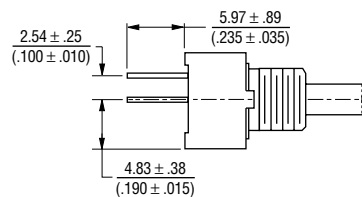
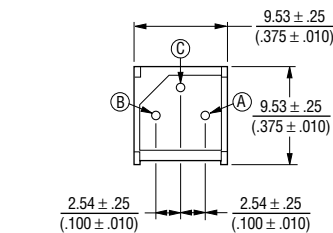
Plastic Bushing
Slotted Shaft



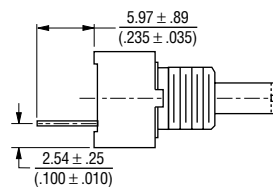
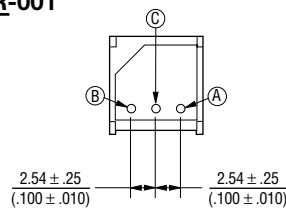
3315C-001



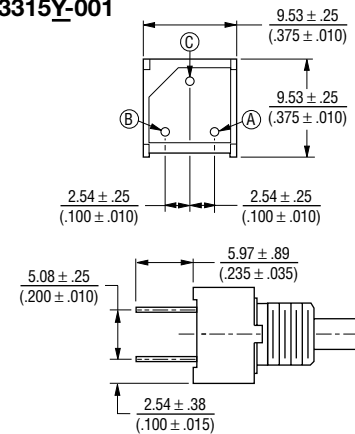
3315P-001



3315R-001



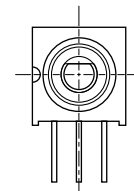
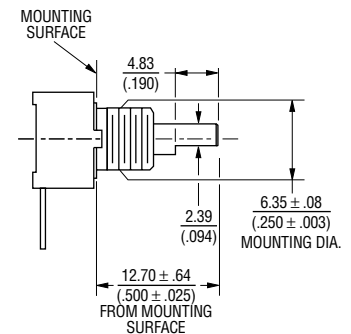
3315Y-001



COMMON DIMENSIONS

3315C-101

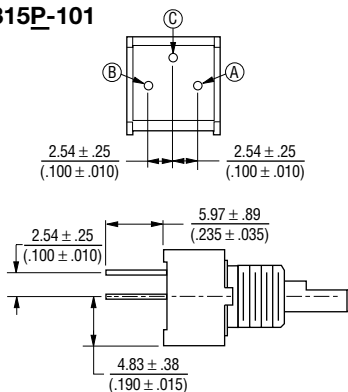
Plastic Flatted Shaft



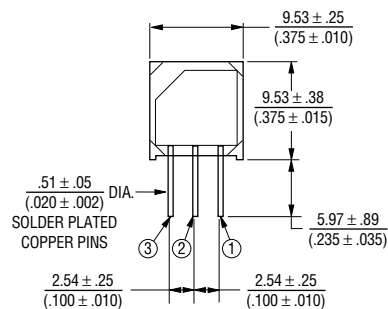
3315 - Dimensions and Tolerances

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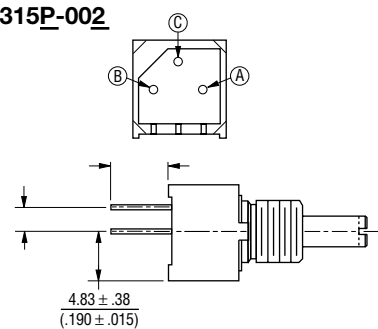
3315P-101



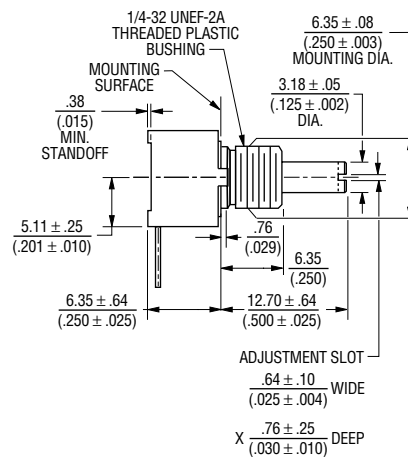
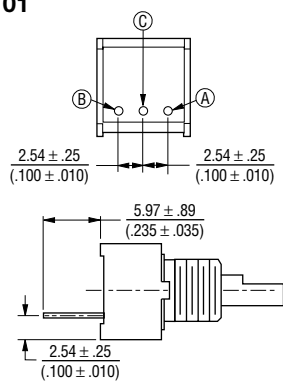
COMMON DIMENSIONS 3315-002 Metal Bushing



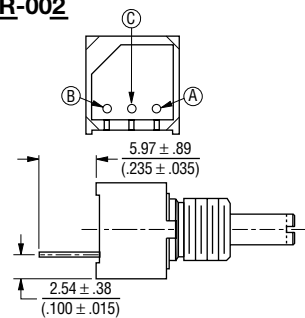
3315P-002



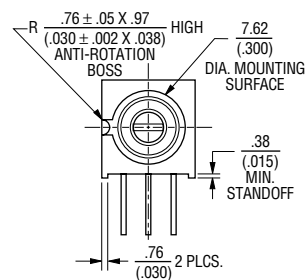
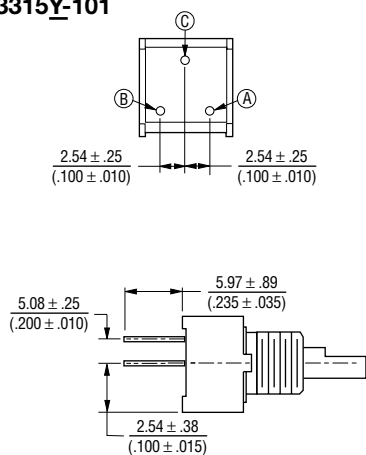
3315R-101



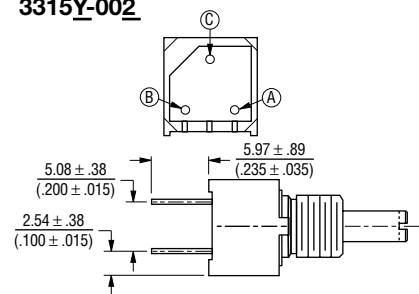
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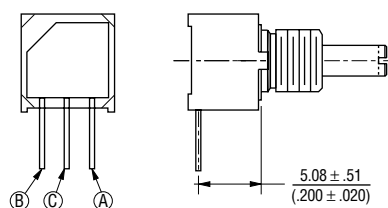
3315Y-101



3315Y-002



3315C-002

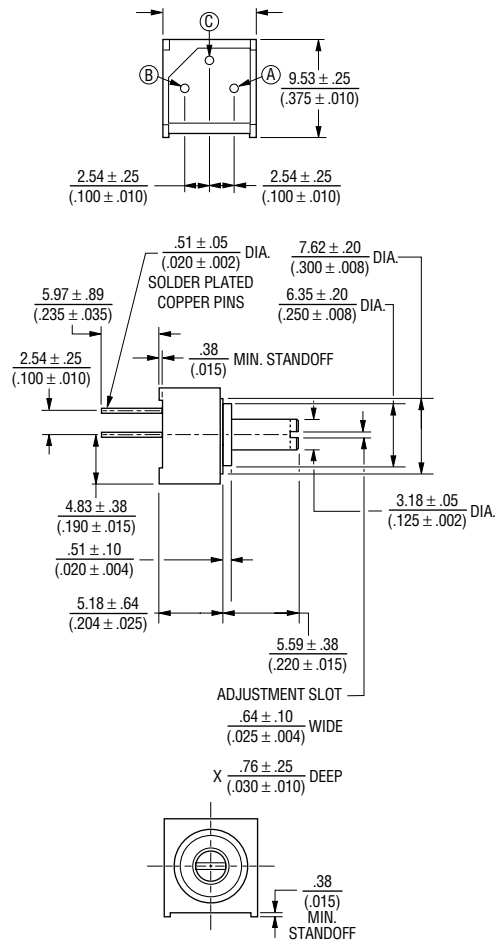


3315 - Dimensions and Tolerances

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3315P-025

Bushingless



3315Y-025

Bushingless

