



Features

- Low profile incremental encoder
- High-class rotational feel
- Haptic detent feedback
- RoHS compliant*

EC35B - 35 mm Low Profile Incremental Ring Encoder

Electrical Characteristics

Output.....3-phase quadrature code
 Contact Rating..... 1 mA @ 5 V DC
 Insulation Resistance
100 M @ 250 V DC
 Dielectric Withstanding Voltage
 Sea Level.....300 V AC
 Electrical Travel.....Continuous
 Contact Bounce..... 2 ms max.**

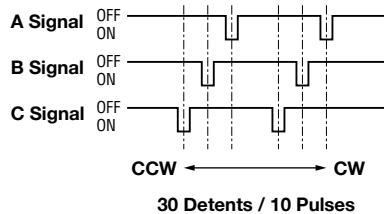
Environmental Characteristics

Operating Temperature..... -30 °C to +80 °C
 Storage Temperature..... -40 °C to +85 °C
 IP Rating..... IP 40

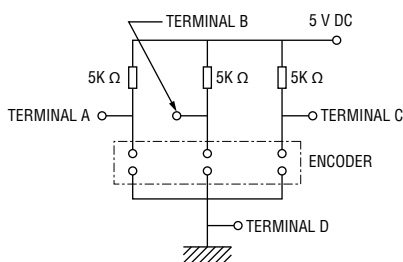
Mechanical Characteristics

RPM (Operating) 60 max.
 Mechanical Angle 360 ° continuous
 Detent Torque.....100 to 300 gf-cm
 Rotational Life.....30,000 cycles
 Soldering Condition
 Wave Soldering..... 260 °C for 3 seconds
 Manual Soldering... 300 °C for 3 seconds

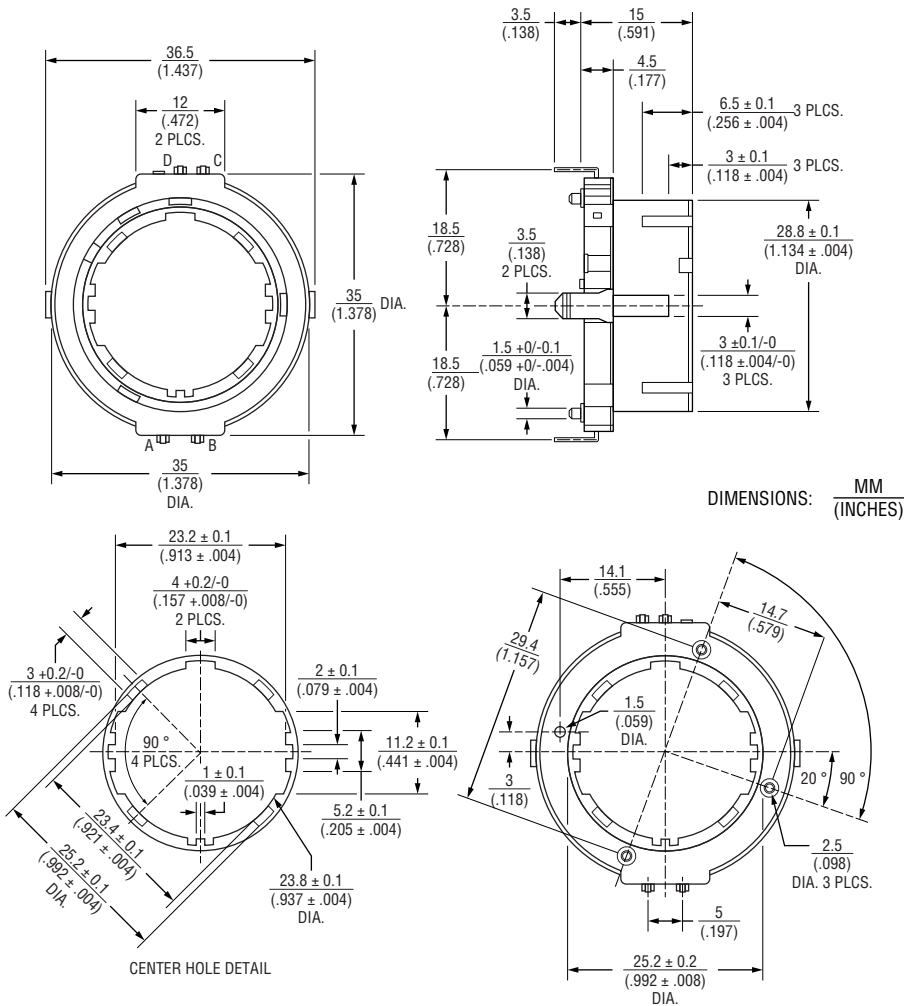
Quadrature Output Table



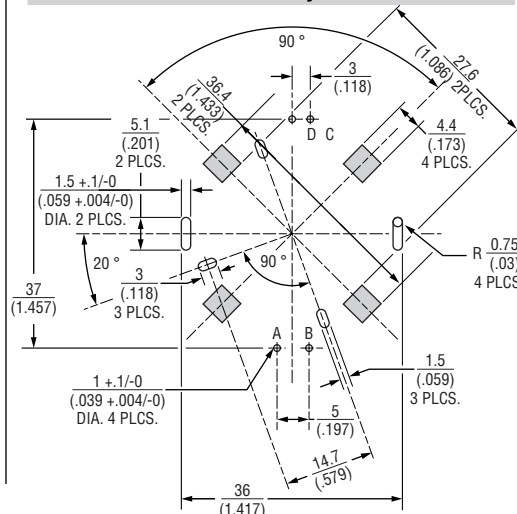
Suggested Filter Circuit



Product Dimensions



Recommended PCB Layout



How To Order

EC35B10V01-0009 XA010P4H150

Model

Resolution

10P = 10 Pulses 30 Detents