



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

Electrical Characteristics

Output.....	3-phase quadrature code
Contact Rating.....	1 mA @ 5 V DC
Insulation Resistance	
.....	100 M Ω @ 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

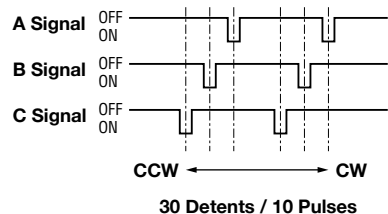
Mechanical Characteristics

RPM (Operating) 60 max.
Mechanical Angle 360 ° continuous
Detent Torque 100 to 300 gf-cm
Rotational Life..... 30,000 cycles

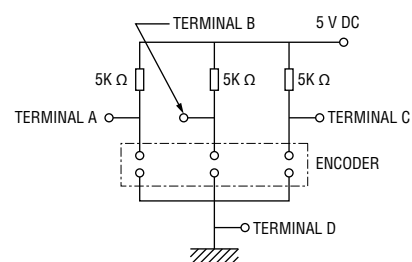
Soldering Condition

Wave Soldering..... 260 °C for 3 seconds
Manual Soldering... 300 °C for 3 seconds

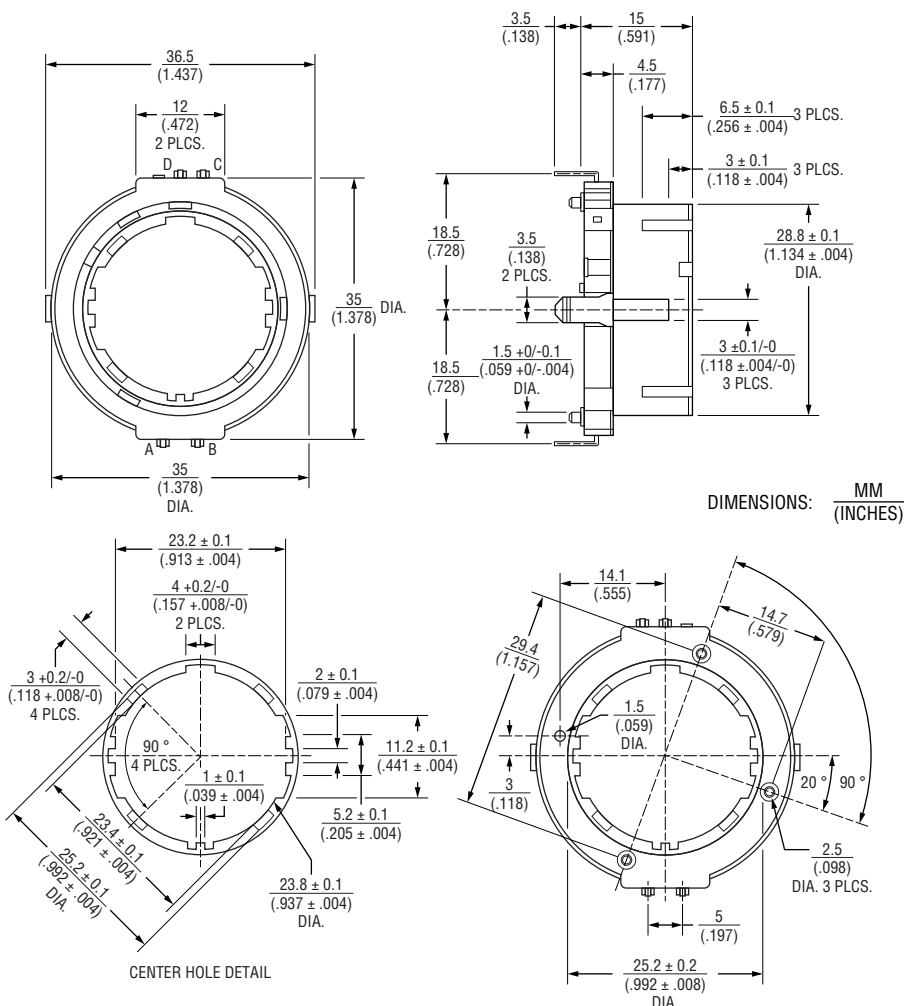
Quadrature Output Table



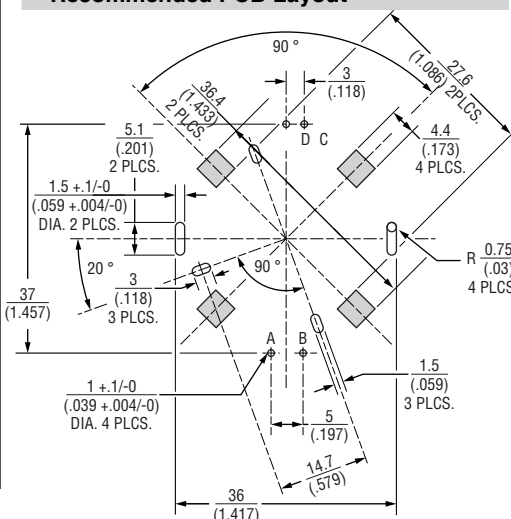
Suggested Filter Circuit



Product Dimensions



Recommended PCB Layout



How To Order

EC35B10V01-0009 XA010P4H150

Model

Resolution

10P = 10 Pulses 30 Detents

General Tolerance

Dimension:

$$X < 10 \pm 0.3\text{mm}$$
$$10 \leq X < 30 \pm 0.5\text{mm}$$
$$30 \leq X \leq 100 \pm 1\text{mm}$$

Angle: $\pm 5^\circ$