



Features

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



PER60 - 60 mm Low Profile Incremental Ring Encoder

Additional Information

Click these links for more information:



Electrical Characteristics

Output..... 2-bit quadrature code
 Contact Rating..... 10 mA @ 5 V DC
 Insulation Resistance..... 100 MΩ @ 100 V DC
 Dielectric Withstanding Voltage..... 100 V AC
 Sea Level.....
 Electrical Travel..... Continuous
 Contact Bounce (60 RPM)..... 5 ms max.**

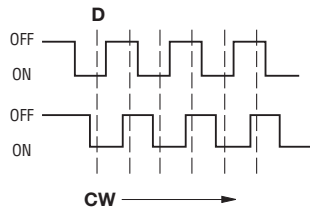
Environmental Characteristics

Operating Temperature..... -10 °C to +60 °C
 Storage Temperature..... -40 °C to +85 °C
 Soldering Condition
 Wave Soldering 260 °C for 5 s
 Manual Soldering..... 300 °C for 3 s

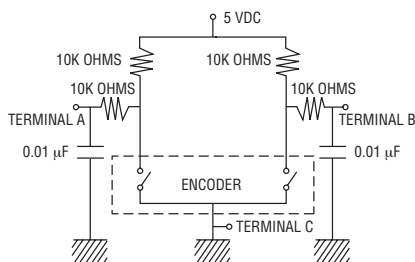
Mechanical Characteristics

RPM (operating) 60 max.
 Mechanical Angle 360 ° continuous
 Detent Torque 100 to 300 gf-cm
 Rotational Life..... 40,000 cycles

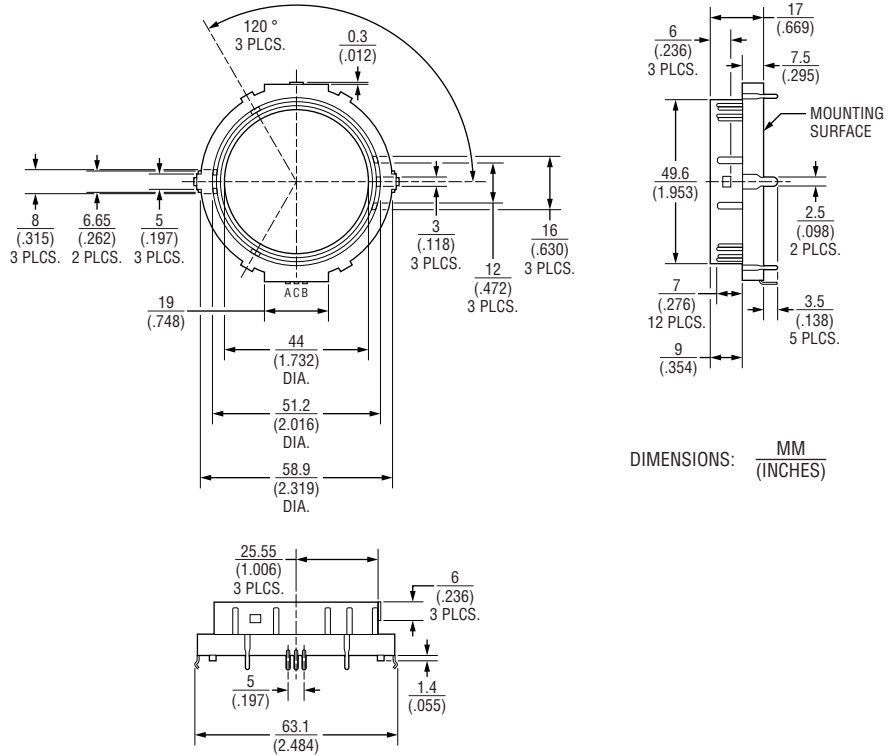
Quadrature Output Table



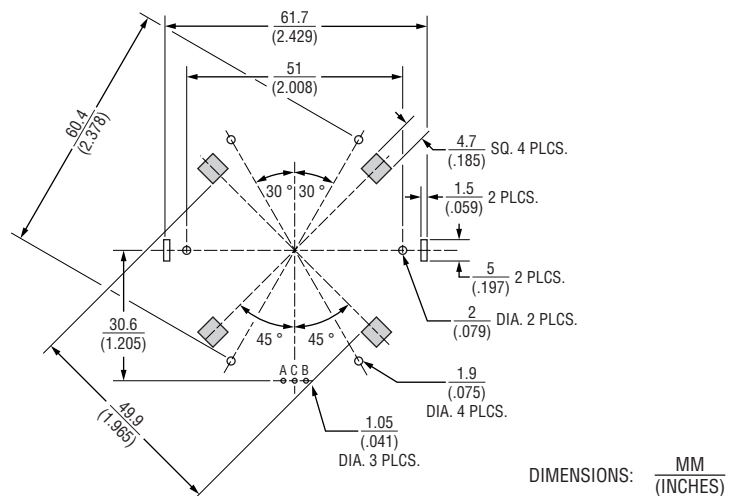
Suggested Filter Circuit



Product Dimensions



Recommended PCB Layout



WARNING
 Cancer and Reproductive Harm
www.P65Warnings.ca.gov



CAUTION

Do not store product in high temperature and humidity, direct sunlight and/or places where corrosive gases may be generated. Please use product within 6 months from the date of delivery and promptly after unpacking.

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Devices are tested using standard noise reduction filters. For optimum performance, designers should use noise reduction filters in their circuits.

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PER60 - 60 mm Low Profile Incremental Ring Encoder

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How To Order

PER60 1 - P1 17 - N 0015

Model	_____	_____	_____	_____	_____
Number of Units	_____	_____	_____	_____	_____
1 = Single					
Orientation	_____	_____	_____	_____	_____
P = PC Pins Down Facing					
Detent Option	_____	_____	_____	_____	_____
1 = 30 Detents (15 Pulses)					
Ring Height	_____	_____	_____	_____	_____
17 = 17 mm					
Switch Configuration	_____	_____	_____	_____	_____
N = No Switch					
Resolution	_____	_____	_____	_____	_____
0015 = 15 Pulses per 360 ° Rotation					

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

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