

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:











INVENTORY

Electrical Characteristics

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

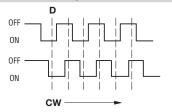
Environmental Characteristics

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

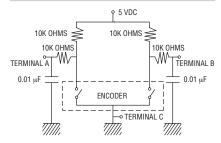
Mechanical Characteristics

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

Quadrature Output Table



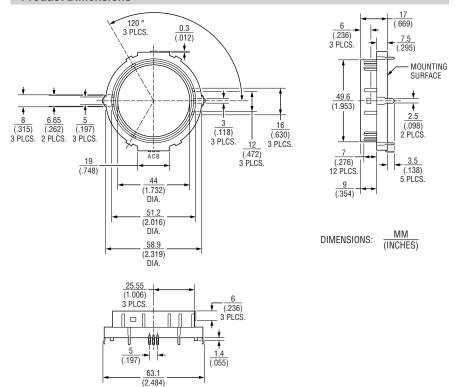
Suggested Filter Circuit



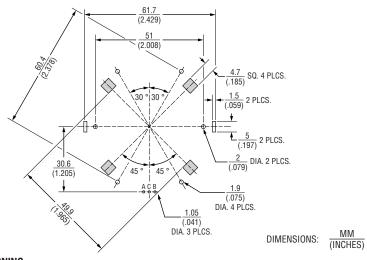
CAUTION

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.

Product Dimensions



Recommended PCB Layout





WARNING

Cancer and Reproductive Harm www.P65Warnings.ca.gov

- 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

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	
Switch Configuration ————————————————————————————————————	
Resolution — 0015 = 15 Pulses per 360 ° Rotation	

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