

Features

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

PER21 - 21 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 megohms @ 250 V DC Dielectric Withstanding Voltage

Sea Level......300 V AC Electrical TravelContinuous Contact Bounce (15 RPM)...... 3 ms max.**

Environmental Characteristics

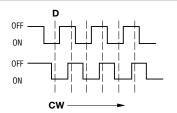
Operating Temperature..... -10 °C to +60 °C Storage Temperature -40 °C to +85 °C

Mechanical Characteristics

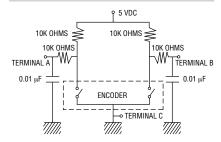
RPM (Operating)60 max. Mechanical Angle360 ° continuous Detent Torque70 to 170 gf-cm Rotational Life.....50,000 cycles Soldering Condition

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

Quadrature Output Table



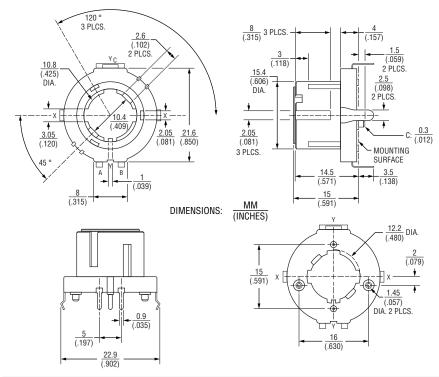
Suggested Filter Circuit



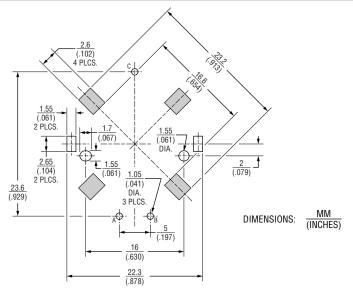
CAUTION

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





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. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal

disclaimers as set forth on the last page of this document, and at

PER21 - 21 mm Low Profile Incremental Ring Encoder

How To Order				
	PER21	1 - P1	15 -	N 000
Model — Number of Units — 1 = Single				
Orientation — P = PC Pins Down Facing				
Detent Option 1 = 18 Detents (9 Pulses)				
Ring Height				
Switch Configuration — N = No Switch				-
Resolution				

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