PER60 - 60 mm Low Profile Incremental Ring Encoder

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

Additional Information
Click these links for more information:
- PRODUCT
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

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 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

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.

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

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- **Model**: PER60 1 - P1 17 - N 0015
- **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

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