PER35 - 35 mm Low Profile Incremental Ring Encoder

Features
- 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 Mohms @ 250 V DC
- Dielectric Withstanding Voltage: 300 V AC
- Electrical Travel: Continuous
- Contact Bounce: 3 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: 50 to 200 gf-cm
- Rotational Life: 50,000 cycles
- Soldering Condition
  - Wave Soldering: 230 °C for 3 seconds
  - Manual Soldering: 300 °C for 3 seconds

Product Dimensions

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Unit</th>
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<tbody>
<tr>
<td>35</td>
<td>(1.378) DIA.</td>
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<tr>
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<td>4.5</td>
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<td>18.5</td>
<td>(.728)</td>
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<tr>
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<td>(1.378) DIA.</td>
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Suggested Filter Circuit

![Suggested Filter Circuit Diagram]

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

** Devices are tested using standard noise reduction filters.

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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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Cross Section

Recommended PCB Layout

Shaft Detail

How To Order

PER35 1 - P1 15 - N 0010

Model
Number of Units
Orientation
Detent Option
Ring Height
Switch Configuration
Resolution

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