PER28 - 28 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:

Electrical Characteristics
Output........................................2-bit quadrature code
Contact Rating..............................10 mA @ 5 V DC
Insulation Resistance......................100 meohms @ 250 V DC
Dielectric Withstanding Voltage........Sea Level.................................300 V AC
IP Rating.....................................IP 40
Soldering Condition
- Manual Soldering...........2 PLCS.
- Manual Soldering.............3 PLCS.
- A V ave Soldering.............16 PLCS.
- A V ave Soldering.............28 PLCS.

Environmental Characteristics
Operating Temperature...........-30 °C to +80 °C
Storage Temperature.............-40 °C to +80 °C

Mechanical Characteristics
RPM (Operating).........................60 max.
Mechanical Angle...............360 ° continuous
Detent Torque.........................50 to 250 gf-cm
Rotational Life......................50,000 cycles
Soldering Condition
- Wave Soldering......230 °C for 3 seconds
- Manual Soldering...300 °C for 3 seconds

Recommended PCB Layout

Product Dimensions

Quadrature Output Table

Suggested Filter Circuit

How To Order

PER28 1 - P1 15 - N 0015

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

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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