

PER601-P117-N0015 Datasheet

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DiGi Electronics Part Number	PER601-P117-N0015-DG
Manufacturer	Bourns Inc.
Manufacturer Product Number	PER601-P117-N0015
Description	60MM LOW PROFILE INCREMENT-RING
Detailed Description	Rotary Encoder Incremental 15 Quadrature, 2-Bit Vertical

This model PER601-P117-N0015 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

PER601-P117-N0015

Series:

-

DiGi-Electronics Programmable:

Not Verified

Output Type:

Quadrature, 2-Bit

Voltage - Supply:

-

Detent:

Yes

Mounting Type:

PCB, Through Hole

Termination Style:

PC Pin

Manufacturer:

Bourns Inc.

Product Status:

Active

Encoder Type:

Incremental

Pulses per Revolution:

15

Actuator Type:

Hole for Shaft

Built in Switch:

No

Orientation:

Vertical

Rotational Life (Cycles Min):

40K

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8543.70.4500

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



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:



Electrical Characteristics

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

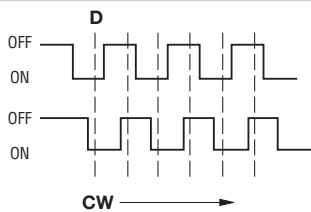
Environmental Characteristics

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

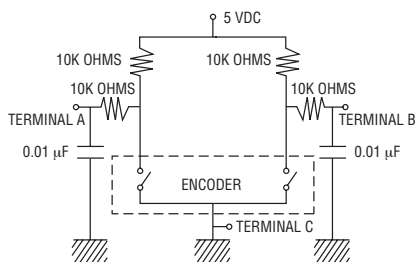
Mechanical Characteristics

RPM (operating)60 max.
 Mechanical Angle360° continuous
 Detent Torque 100 to 300 gf-cm
 Rotational Life..... 40,000 cycles

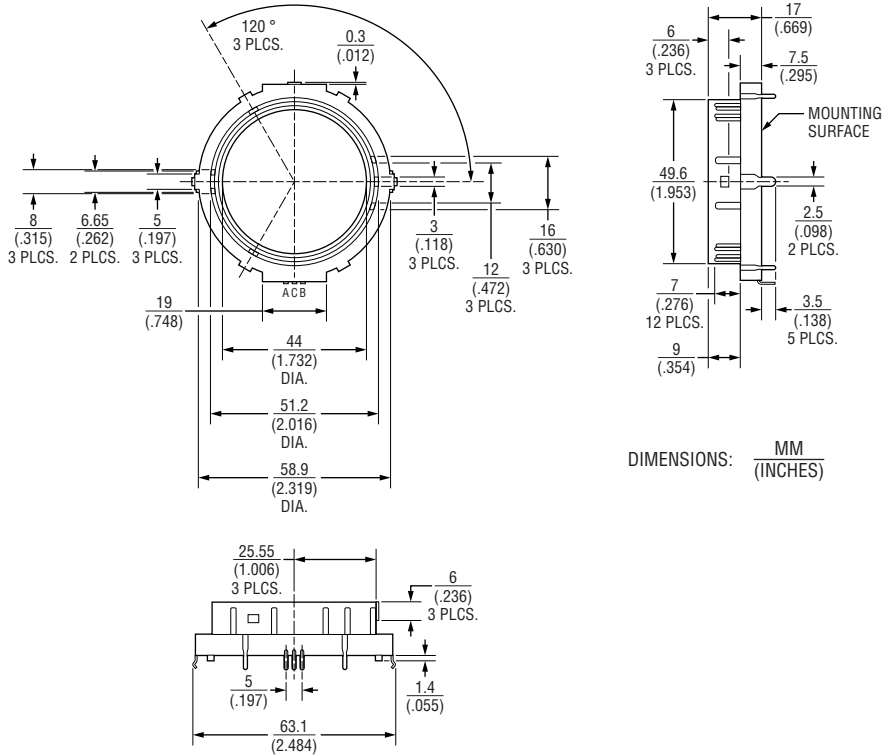
Quadrature Output Table



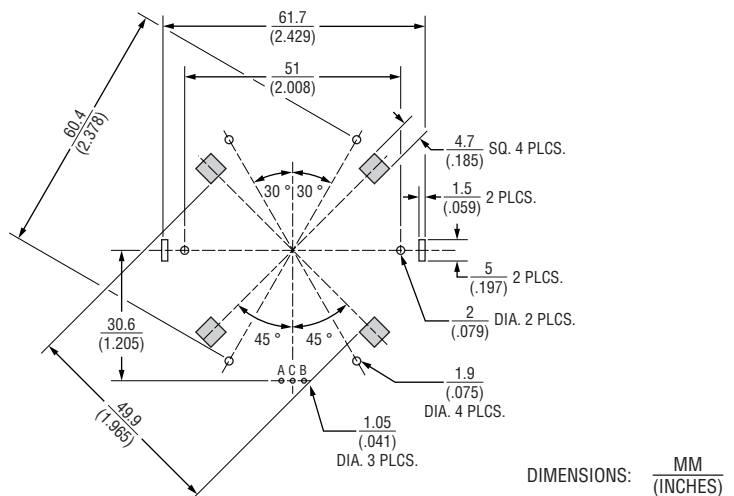
Suggested Filter Circuit



Product Dimensions



Recommended PCB Layout



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.

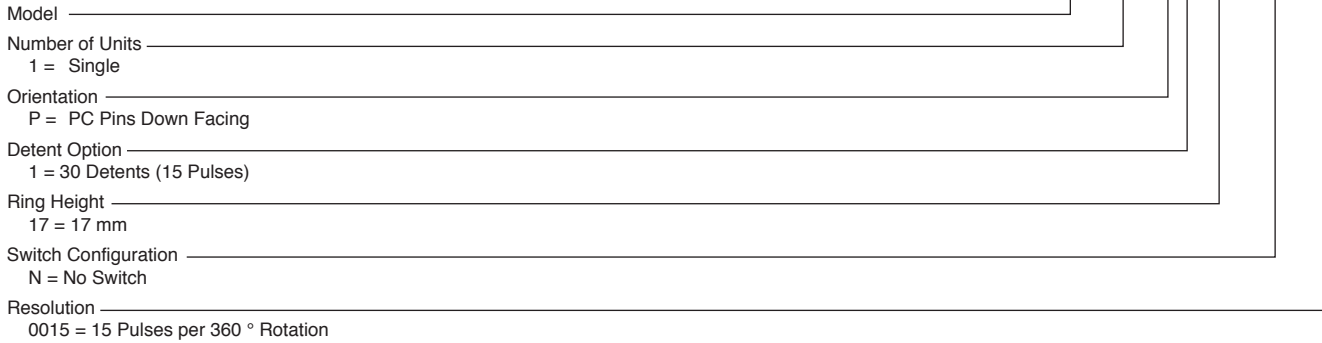
WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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 **BOURNS®**

How To Order

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Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

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