

Features

- Compact design, long life and high reliability
- Low cost compared to optical type encoders
- Available in a wide variety of configurations to meet many user requirements



PEC16 - 16 mm Incremental Encoder

2-bit quadrature cod 3 ohms maximu 1 mA @ 5 VD 10 megohms @ 50 VD 50 VAC minimu Continuou 5.0 ms. maximum 100 maximum
50 VAC minimuContinuo5.0 ms. maximum
Continuou 5.0 ms. maximum
Continuou 5.0 ms. maximum
5.0 ms. maximum
100 maximum
30 °C to +70 °C (-22 °F to +158 °I
40 °C to +85 °C (-40 °F to +185 °I
IIL-STD-202, Method 103B, Condition
0~55~10 Hz / 1 min. / Amplitude 1.5 m
100
100,000 cycles minimu
20,000 cycles minimu
IP 4
N
360 ° continuo
30.6 to 204 g-cm (0.42 to 2.83 ozii
10.2 kgf. cm (8.83 lbin.) maximu
3.06 kgf (6.7 lbs.) minimu
8 gm (0.28 oz.) maximu
Printed circuit board termina
Printed circuit board termina
clean flux: 260 °C max. for 3-5 second
Not recommende
ounting nut supplied with each encode
Contact Push ON Momentary SPS
10 mA at 5 V D
0.5 +0.4/-0.3 m
360 +153/-102 gf (5 +2.1/-1.4 ozir
PEC16 - 4 0 20 F - S 001
r Facing

Additional Information

Click these links for more information:





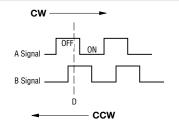






PRODUCT TECHNICAL INVENTORY SAMPLES LIBRARY

Quadrature Output Table



Switch Circuit



BOURNS[®]

Asia-Pacific:

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

Europe:

Tel: +36 88 885 877

Email: eurocus@bourns.com

The Americas:

Tel: +1-951 781-5500

Email: americus@bourns.com

www.bourns.com



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. 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 www.bourns.com/docs/legal/disclaimer.pdf.



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.

¹ Not available with switch.

Applications

Level control, tuning and timer settings in:

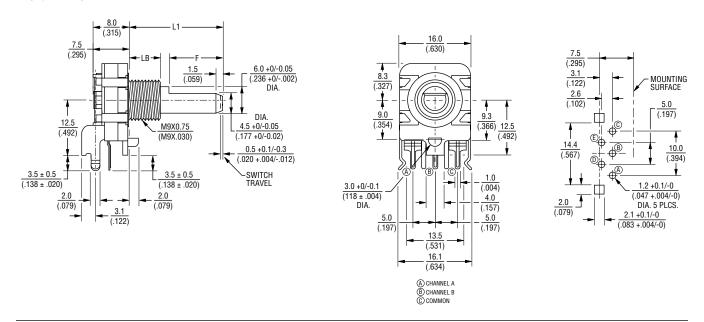
- Audio-visual equipment
- Consumer electric appliances
- Radios
- Musical instrumentation
- Communications equipment

PEC16 - 16 mm Incremental Encoder

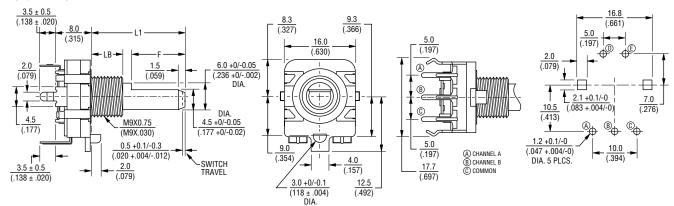
BOURNS®

Product Dimensions

PEC16-2xxxF-Sxxxx



PEC16-4xxxF-Sxxxx



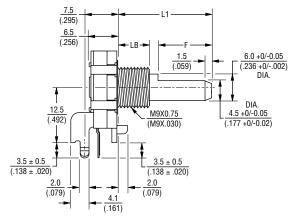
L1	15.0	20.0	25.0	30.0
	(.591)	(.787)	(.984)	(1.181)
LB	<u>5.0</u>	7.0	7.0	7.0
	(.197)	(.276)	(.276)	(.276)
F	7.0	12.0	12.0	12.0
	(.276)	(.472)	(.472)	(.472)

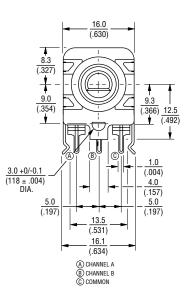
DIMENSIONS: $\frac{MM}{(INCHES)}$

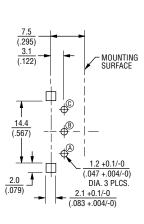
PEC16 - 16 mm Incremental Encoder

Product Dimensions

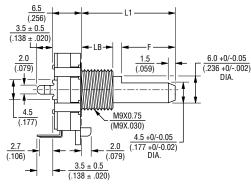
PEC16-2xxxF-Nxxxx



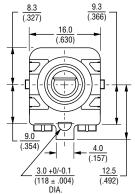




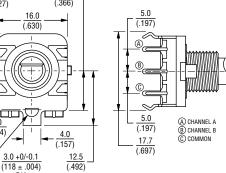
PEC16-4xxxF-Nxxxx

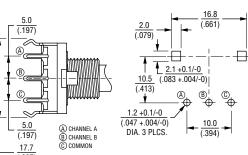


L1	15.0	<u>20.0</u>	25.0	30.0
	(.591)	(.787)	(.984)	(1.181)
LB	<u>5.0</u>	7.0	7.0	7.0
	(.197)	(.276)	(.276)	(.276)
F	7.0	12.0	12.0	12.0
	(.276)	(.472)	(.472)	(.472)

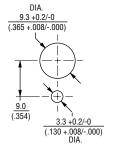


DIMENSIONS:





Panel Hole Detail



REV. 07/21

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

MM

(INCHES)

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