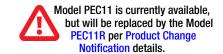


Features

- Push switch option
- Compact, rugged design
- High reliability
- Metal bushing/shaft



PEC11 Series - 12 mm Incremental Encoder

Electrical Characteristics 2-bit quadrature code Contact Rating..... Insulation Resistance Dielectric Withstanding Voltage Contact Bounce (15 RPM) 5.0 ms maximum** **Environmental Characteristics Mechanical Characteristics** Printed circuit board terminals Hand Soldering Not recommended Hardware One flat washer and one mounting nut supplied with each encoder **Switch Characteristics** ...0.5 ± 0.2 mm **How To Order Quadrature Output Table** PEC11 - 4 0 20 F - S 0012 Model Detent Option -0 = No Detents (12, 18, 24 pulses) 1 = 18 Detents (18 pulses) 2 = 24 Detents (12, 24 pulses) 3 = 12 Detents (12 pulses) B Signal Standard Shaft Length D 15 = 15.0 mm 20 = 20.0 mm 25 = 25.0 mm CCW 30 = 30.0 mmShaft Style — F = Metal Flatted Shaft K = Metal Knurled Shaft¹ Switch Configuration -S = Push Momentary Switch N = No Switch Resolution 0012 = 12 Pulses per 360 ° Rotation 0018 = 18 Pulses per 360 ° Rotation

0024 = 24 Pulses per 360 ° Rotation

Customers should verify actual device performance in their specific applications.

Metal knurled shaft with no switch is available in 15, 20 and 30 mm shaft lengths.

Metal knurled shaft with push momentary switch is available in 15 and 20 mm shaft lengths.

^{*}RoHS Directive 2002/95/EC Jan 27, 2003 including 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.

Applications

Level control, tuning and timer settings in:

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

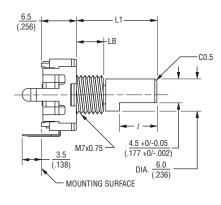


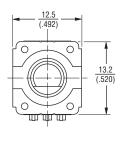
PEC11 Series - 12 mm Incremental Encoder

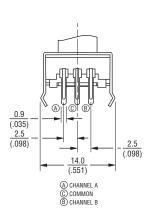
BOURNS

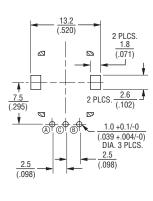
Product Dimensions

PEC11-4xxxF-Nxxxx

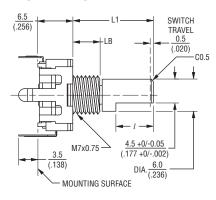


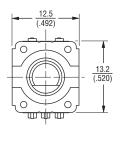


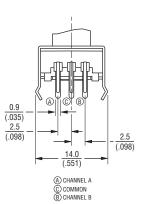


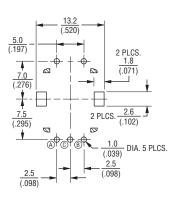


PEC11-4xxxF-Sxxxx







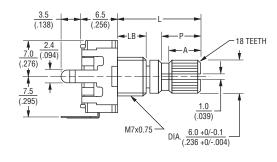


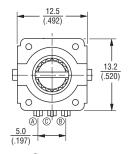
DIMENSIONS: $\frac{MM}{(INCHES)}$

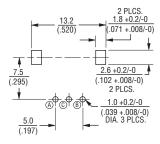
L1	LB	1
15	<u>5.0</u>	7.0
(.591)	(.197)	(.276)
<u>20</u>	7.0	10.0
(.787)	(.276)	(.394)
<u>25</u>	<u>7.0</u>	<u>12.0</u>
(.984)	(.276)	(.472)
30	7.0	12.0
(1.181)	(.276)	(.472)

Product Dimensions

PEC11-4xxxK-Nxxxx



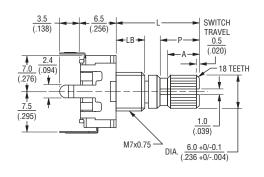


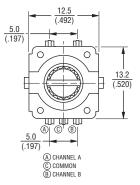


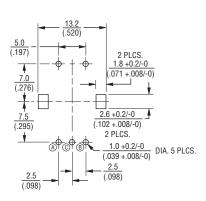
(A) CHANNEL A (C) COMMON (B) CHANNEL B

L	LB	Р	Α
<u>15</u> (.591)	<u>5.0</u> (.197)	7.0 (.276)	<u>6.0</u> (.236)
<u>20</u> (.787)	<u>7.0</u> (.276)	7.0 (.276)	<u>6.0</u> (.236)
30 (1.181)	7.0 (.276)	<u>16.0</u> (.630)	<u>12.0</u> (.472)

PEC11-4xxxK-Sxxxx







L	LB	P	Α
15	5.0	7.0	6.0
(.591)	(.197)	(.276)	(.236)
<u>20</u> (.787)	7.0 (.276)	7.0 (.276)	<u>6.0</u> (.236)