

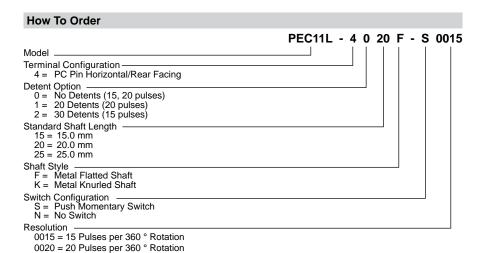
Features

- Push switch option
- Compact, low profile
- High rotational life and switch life
- Metal bushing/shaft
- RoHS compliant*



PEC11L Series-11 mm Low Profile Encoder

Electrical Characteristics	2-bit quadrature cod
ielectric Withstanding Voltage	
Pivi (Operating)	
Environmental Characteristics	
perating Temperature Range	25 °C to +80 °C (+13 °F to +176 °l
torage Temperature Range	40 °C to +85 °C (-40 °F to +185 °
	MIL-STD-202, Method 103B, Condition
ibration	10~55~10 Hz / 1 min. / Amplitude 1.5 m
	100
otational Life	
Rating	IP
Mechanical Characteristics	
echanical Angle	
orque	
haft Side Load (Static)	2.04 kgf (4.5 lbs) minimu
	5 gm (0.17 oz) maximu
	Printed circuit board termina
Soldering Condition	
Hand Soldering	Not recommend
ardware	One flat washer and one mounting nut supplied with each encod
Switch Characteristics	
witch Type	
	$0.5 \pm 0.3 \mathrm{m}$
WILCH Havel	





WARNING Cancer and Reproductive Harm

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.

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^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

^{**}Devices are tested using standard noise reduction filters.

Applications

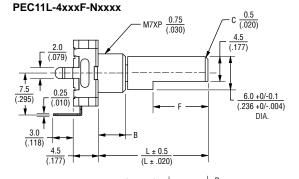
Level control, tuning and timer settings in:

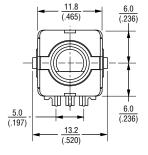
- Audio-visual equipment
- Consumer electric appliances
- Environmental controls
- Musical instrumentation
- Communications equipment

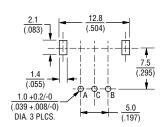
PEC11L Series - 11 mm Low Profile Encoder

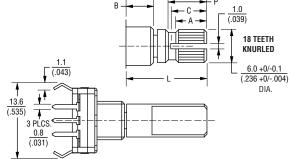
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Product Dimensions





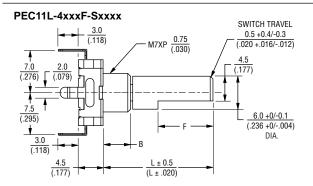


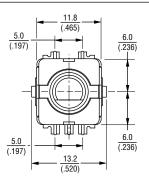


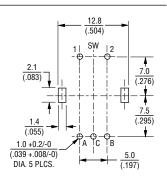
L	В	F	Р	Α	С
<u>15</u> (.591)	<u>5.0</u>	7.0	7.0	6.0	7.0
	(.197)	(.276)	(.276)	(.236)	(.276)
20	7.0 (.276)	10.0	7.0	6.0	7.0
(.787)		(.394)	(.276)	(.236)	(.276)
25	7.0	12.0	12.0	10.0	11.0
(.984)	(.276)	(.472)	(.472)	(.394)	(.433)

Dim.	Tol.	
<10.0	±0.3	
(<.394)	(±.012)	
10.0 ~ 100	±0.5	
(.394 ~ 3.937)	(±.020)	

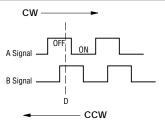
DIMENSIONS: $\frac{MM}{(INCHES)}$



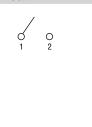




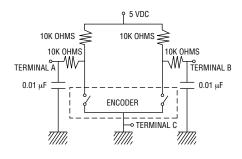
Quadrature Output Table



Switch Circuit



Suggested Filter Circuit



REV. 09/19

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