

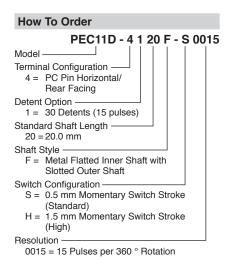
Features

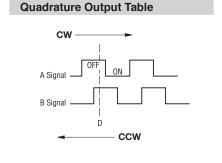
- Two push switch options
- Dual concentric shaft
- Two encoders in a single package
- Metal bushing/shaft
- Switch stroke options
- RoHS compliant*



PEC11D Series - 12 mm Dual Concentric Rotary Encoder w/Switch

Electrical Characteristics		Additional Information
Output Contact Rating Insulation Resistance Dielectric Withstanding Voltage Sea Level Electrical Travel Contact Bounce (15 RPM) RPM (Operating)		Click these links for more information: PRODUCT TECHNICAL INVENTORY SAMPLES CONTACT LIBRARY
Environmental Characteristics		
Operating Temperature Range Storage Temperature Range Operating Humidity Rotational Life Switch Life IP Rating Moisture Sensitivity Level ESD Classification (HBM)		40 °C to +85 °C (-40 °F to +185 °F) 25 % to 85 % R.H. 15,000 cycles minimum 20,000 cycles minimum IP 40
Mechanical Characteristics		
Mechanical Angle Torque Detent Shaft Side Load (Static)	Sn95.5/Ag2.8/Cu0.7	
Switch Characteristics		
Switch Type Power Rating (Resistive Load) Switch Travel S (Standard) H (High)		
Switch Actuation Force		050 100 -





 S (Standard)
 350 ± 100 gf (12.35 ± 3.53 oz.)

 H (High)
 400 ± 200 gf (14.10 ± 7.05 oz.)

 Contact Resistance
 200 milliohms @ 5 VDC

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Users should verify actual device performance in their specific applications.

^{*}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.

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Applications

Level control, tuning and menu select in:

- Audio-visual equipment
- Professional audio, broadcast and lighting consoles
- Musical instrumentation
- Communications equipment

PEC11D Series - 12 mm Dual Concentric Rotary Encoder w/Switch

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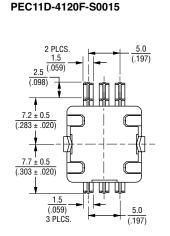
(.516)

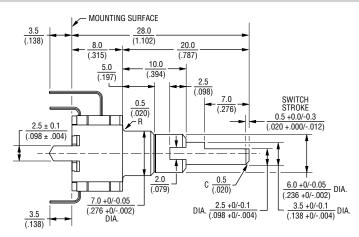
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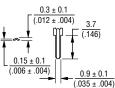
(.461)

 12.0 ± 0.3

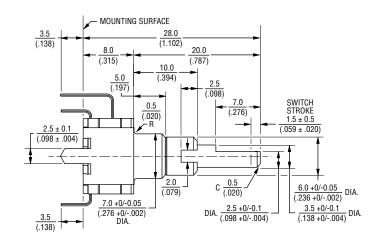
Product Dimensions

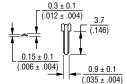






PEC11D-4120F-H0015





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

TOLERANCES: $<\frac{10}{(.394)} = \pm \frac{0.3}{(.012)}$
 $\geq \frac{10}{(.394)} = \pm \frac{0.5}{(.020)}$

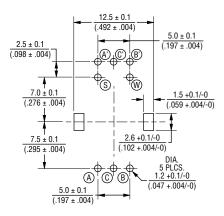
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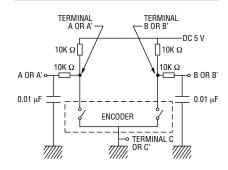
Recommended PCB Layout



Switch Circuit



Suggested Filter Circuit



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