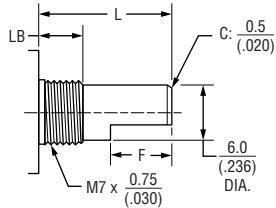


PEC11R Series - 12 mm Incremental Encoder



Shaft Dimensions

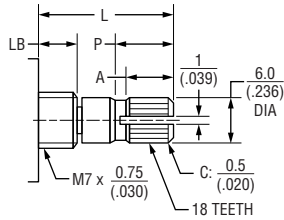
Flatted Shaft



| L | LB | F |
|----------------------|--------------------|---------------------|
| $\frac{15}{(.591)}$ | $\frac{5}{(.197)}$ | $\frac{7}{(.276)}$ |
| $\frac{20}{(.787)}$ | $\frac{7}{(.276)}$ | $\frac{10}{(.394)}$ |
| $\frac{25}{(.984)}$ | $\frac{7}{(.276)}$ | $\frac{12}{(.472)}$ |
| $\frac{30}{(1.181)}$ | $\frac{7}{(.276)}$ | $\frac{12}{(.472)}$ |

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

Knurled Shaft



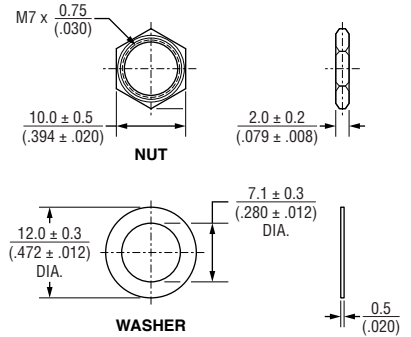
Knurled Shaft Without Switch

| L | LB | P | A |
|----------------------|--------------------|---------------------|---------------------|
| $\frac{15}{(.591)}$ | $\frac{5}{(.197)}$ | $\frac{8}{(.315)}$ | $\frac{6}{(.236)}$ |
| $\frac{20}{(.787)}$ | $\frac{7}{(.276)}$ | $\frac{7}{(.276)}$ | $\frac{6}{(.236)}$ |
| $\frac{25}{(.984)}$ | $\frac{7}{(.276)}$ | $\frac{12}{(.472)}$ | $\frac{10}{(.394)}$ |
| $\frac{30}{(1.181)}$ | $\frac{7}{(.276)}$ | $\frac{16}{(.630)}$ | $\frac{12}{(.472)}$ |

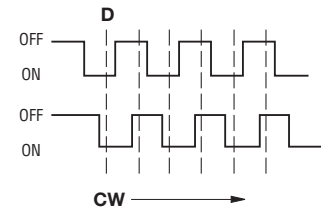
Knurled Shaft With Switch

| L | LB | P | A |
|----------------------|--------------------|---------------------|---------------------|
| $\frac{15}{(.591)}$ | $\frac{5}{(.197)}$ | $\frac{7}{(.276)}$ | $\frac{6}{(.236)}$ |
| $\frac{20}{(.787)}$ | $\frac{7}{(.276)}$ | $\frac{7}{(.276)}$ | $\frac{6}{(.236)}$ |
| $\frac{25}{(.984)}$ | $\frac{7}{(.276)}$ | $\frac{12}{(.472)}$ | $\frac{10}{(.394)}$ |
| $\frac{30}{(1.181)}$ | $\frac{7}{(.276)}$ | $\frac{16}{(.630)}$ | $\frac{12}{(.472)}$ |

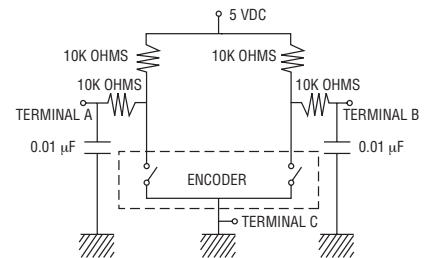
Hardware



Quadrature Output Table



Suggested Filter Circuit



Switch Circuit



How To Order

PEC11R 4 0 20 F - S 0012

Model _____

Terminal Configuration _____
 1 = PC Pin Vertical / Side Facing 7 mm 4 = PC Pin Horizontal / Rear Facing
 2 = PC Pin Vertical / Side Facing 10 mm

Detent Option _____
 0 = No Detents (12, 18, 24 pulses) 2 = 24 Detents (12, 24 pulses)
 1 = 18 Detents (18 pulses) 3 = 12 Detents (12, 24 pulses)

Standard Shaft Length _____
 15 = 15.0 mm 25 = 25.0 mm
 20 = 20.0 mm 30 = 30.0 mm

Shaft 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 0024 = 24 Pulses per 360 ° Rotation
 0018 = 18 Pulses per 360 ° Rotation

¹Metal knurled shaft without 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.

REV. 09/23

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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