

11mm Metal Shaft Rotary Encoder

Application

- ✓ Audio, Home appliance, Precision apparatus, Automotive, Communication, Industrial control, etc.

Feature

- ✓ Incremental Output Signal Encoder



■Specification

Rotation Angle	360° endless
Rating Voltage	5V DC 10mA (1 mA Min.)
Operating Temperature	-10 °C~70 °C
Rotational Torque	30 ~ 200 gf.cm
Rotational Life	15,000 cycles (rotate 360° ccw and rotate 360° cw as 1 cycle)
Switch Circuit	S.P.S.T. (Push on)
Switch Stroke	0.5 mm
Switch Rating	16V DC 0.5A (10mA Min.)
Switch Operating Force	600±300 gf.cm
Switch Operating Life	20,000 times

■How to order

RE11LF – 40(D)N – 20F – 15P

[Model](#)

[Resolution](#)

Order Code	Pulses	Detents
15P	15	30

[Shaft](#)

Terminal Type

Code	Terminal type	Switch
40	Vertical	Without switch
41	Vertical	With switch

Code	Bushing Type (D)	
B1	∅7mm	5mm


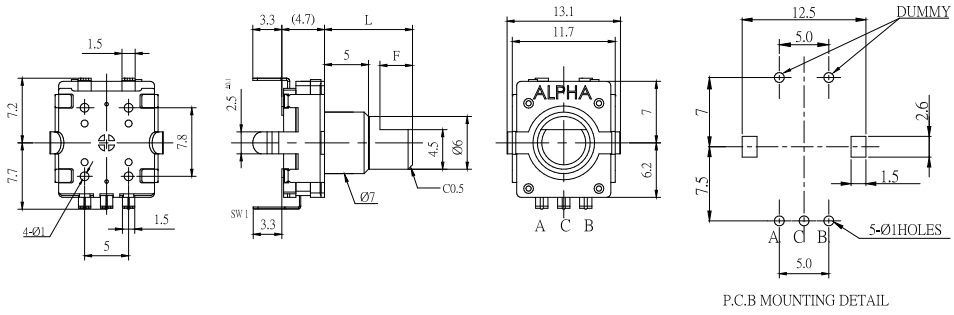

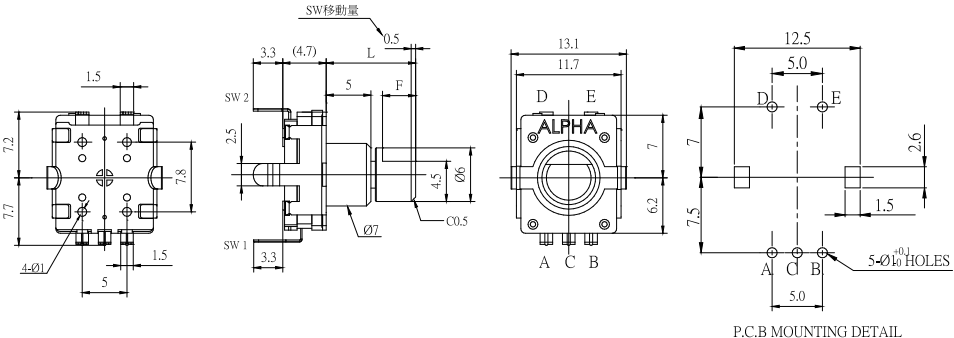
N means Without thread

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■ Model Description

Model	Terminal Type	Switch	Bushing Type (D)		Bushing Thread
RE11LF-40B1N	Vertical	Without switch	Ø7mm	5mm	Without thread
RE11LF-41B1N	Vertical	With switch	Ø7mm	5mm	Without thread

MOQ: 10,000pcs for each specification/ Part number.

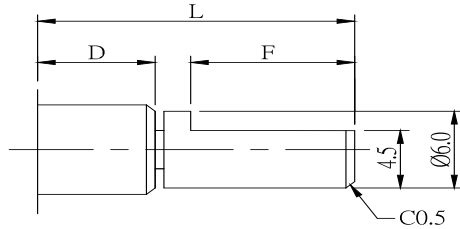
Order Code	Outline Drawing
<p>RE11LF-40B1N</p> 	 <p>P.C.B MOUNTING DETAIL</p>
<p>RE11LF-41B1N</p> 	 <p>P.C.B MOUNTING DETAIL</p>

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■ Shaft and Bushing Dimensions

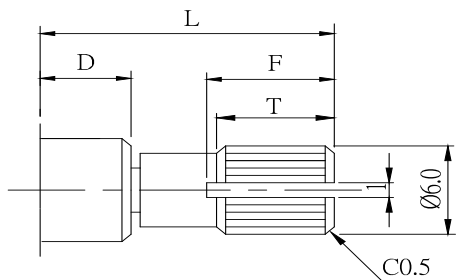
F Type



Without switch & With switch

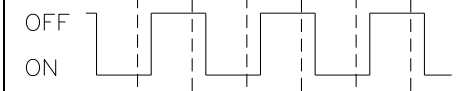
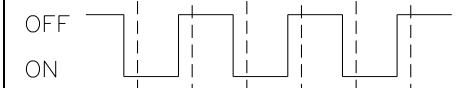
	5(B1)	5(B1)	5(B1)
D	5(B1)	5(B1)	5(B1)
L	15	20	25
F	6	10	12

K Type



D	5(B1)
L	15
F	7
T	6

■ Resolution and Output Signal

Model	Resolution (Pulses/Rotation)	Detent Number	Output Signal Format		
			Shaft Rotational Direction	Signal	Output
RE11LF	15/360°	30	C.W.	A (Terminal A-C)	
				B (Terminal B-C)	

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

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