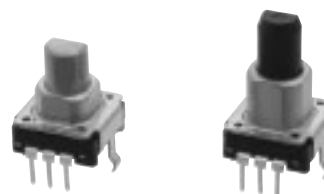


12 mm Square GS Encoders with Push-on Switch

Type: **EVEJB**

■ Features

- Thin type encoder with vertical push-on switch
- Insulated shaft or metal shaft types are available



■ Recommended Applications

- Volume and tone control for audio/visual and car audio equipment
- Tuner for communication units
- Mode selection for measurement instruments

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	E	J	B							
Product Code			Specifications		Combination of Shaft & Bushing				Output (Pulses)		

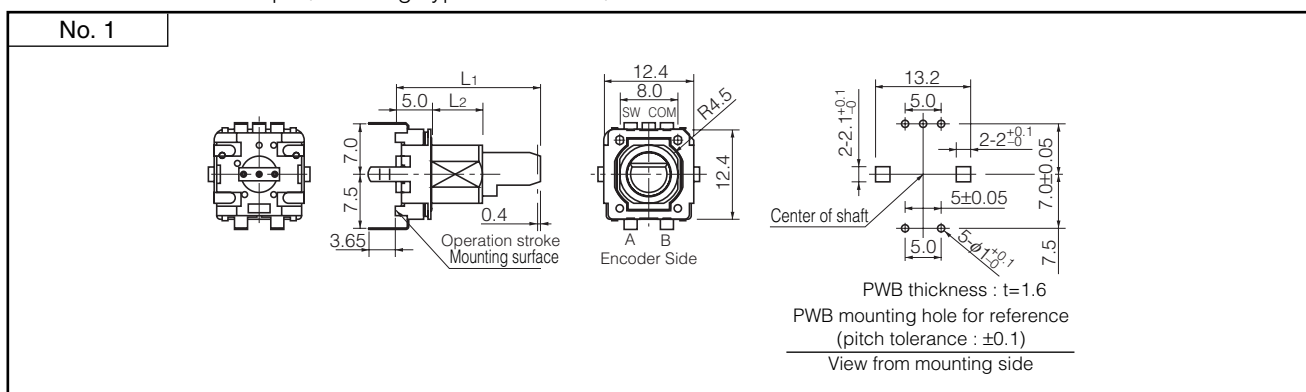
■ Specifications

Mechanical	Rotation Angle		360 ° (Endless)
	Shaft Pull/Push Strength		80 N min.
	Shaft Wobble		0.7×L/30 mm max.
	Rotation Torque		3 mN·m to 20 mN·m
	Detents		20 points
Electrical	Output Signals		Phase A and B
	Resolution		20 pulses/360 °
	Rating		1 mA 10 Vdc
	Contact Resistance		1 Ω max.
	Chattering		2 ms max.
	Insulation Resistance		10 MΩ min. (at 50 Vdc)
	Dielectric Withstanding Voltage		50 Vac for 1 minute
	Bouncing		5 ms max.
Switch Part	Type		SPST Push-on
	Rating		20 mA 16 Vdc
	Contact Resistance		100 mΩ max.
	Operating Force		3 N, 6 N
	Travel		0.4 mm
Endurance	Operating Life	Encoder	30000 cycles min.
		Switch	15000 cycles min.
	Operating Temperature		−10 °C to +60 °C
	Storage Temperature		−40 °C to +85 °C
Minimum Quantity/Packing Unit			100 pcs. Polyethylene Bag(Bulk)
Quantity/Carton			500 pcs.

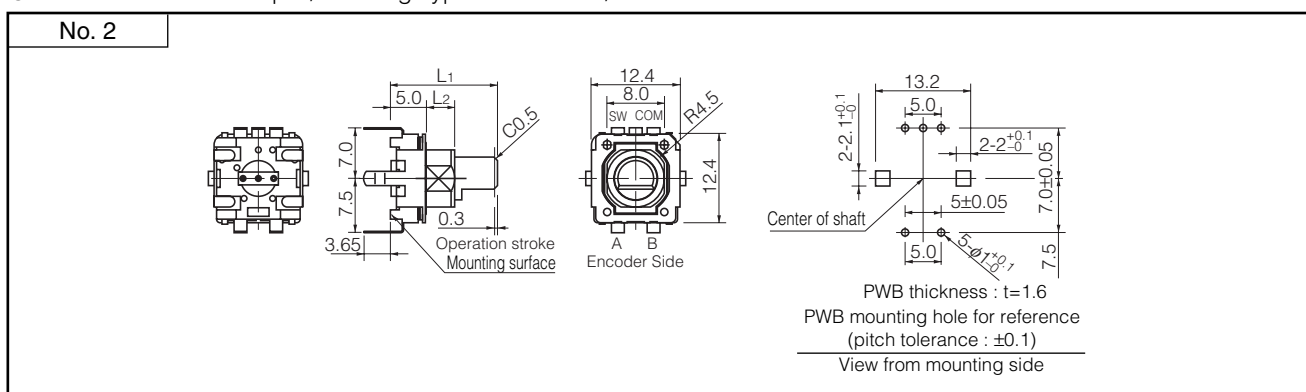
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

● Standard rotation-torque / Bushing Type with Sleeve / with SwitchesWith detents : EVEJBB



● Standard rotation-torque / Bushing Type with Sleeve / with SwitchesWith detents : EVEJBE

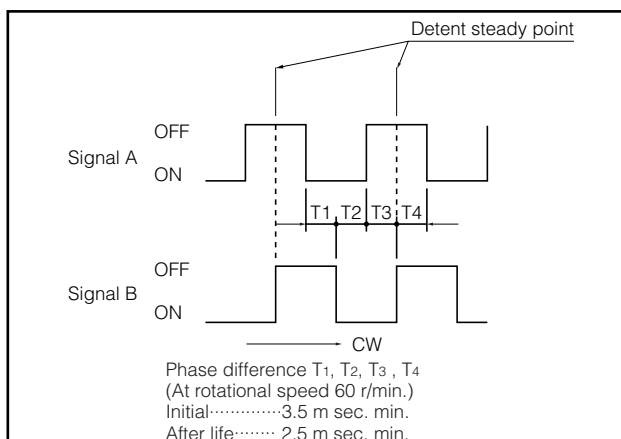


■ Shaft Trims and Dimensions in mm

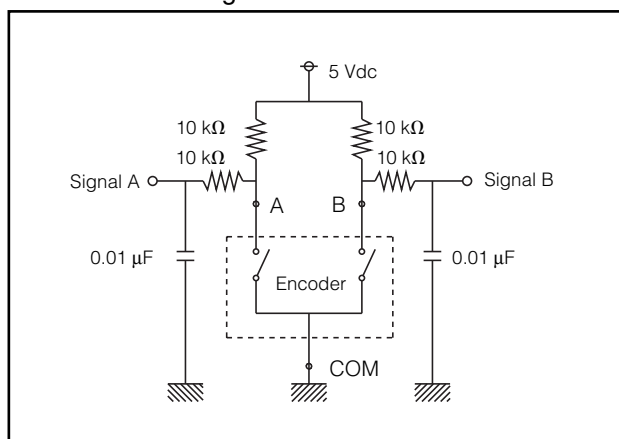
Shaft Type	Dimensions			
	L ₁	L ₂	L ₃	Corner Cut
Metal	15.0 mm	4.0 mm	5.0 mm	0.5 mm
Insulated	20.0 mm	7.0 mm	6.0 mm	1.5 mm
	25.0 mm	9.0 mm	10.0 mm	1.5 mm

Diagram of shaft dimensions. The diagram shows a shaft with a diameter of $\phi 6.0 \pm 0.1$ mm. The shaft has a length of L_1 mm, a diameter of L_2 mm, and a diameter of L_3 mm. The shaft has a corner cut of 0.5 mm. The shaft has a length of L_1 mm, a diameter of L_2 mm, and a diameter of L_3 mm. The shaft has a corner cut of 0.5 mm.

■ Phase Difference



■ Test Circuit Diagram



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