

12 mm Square GS Encoders

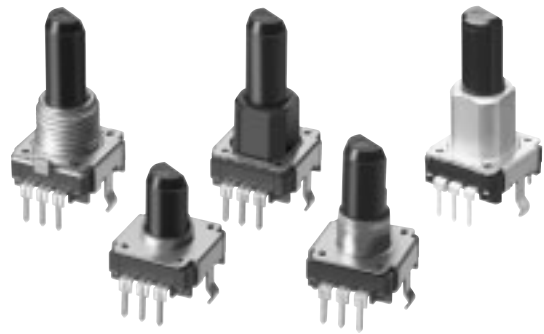
Type: **EVEG/EVEH/EVEK/EVEL**

■ Features

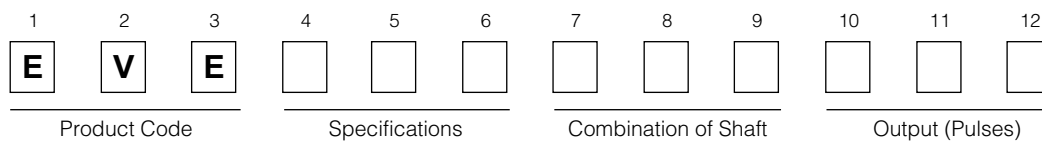
- Lineup of high rotation-torque-type (50 mN·m)
- A wide range of standard products

■ Recommended Applications

- Volume for audio/visual equipment
- Tuner for communication units
- Mode selection for measurement instruments



■ Explanation of Part Numbers



■ Product Chart

Torque type	Combination of Bushing	Thickness	Height					Detents (Resolution/Pulses)			
			15.0 mm	17.5 mm	20.0 mm	22.5 mm	25.0 mm	30.0 mm	12 points (12 pulses)	24 points (24 pulses)	Without detents (12 pulses, 24 pulses)
Heavy-rotation torque (10 mN·m to 50 mN·m)	Die-cast (7.0,12.0 mm)	5.5 mm					○	○			○
	Sleeve (7.0,12.0 mm)	5.5 mm					○	○			○
Standard type (3 mN·m to 20 mN·m)	Barling (5.0 mm)	5.0 mm		○	○	○	○		○	○	○
	Barling (1.6 mm)	5.0 mm	○						○	○	○
	Die-cast (7.0 mm)	5.5 mm			○	○	○		○	○	○
	Sleeve (7.0 mm)	5.5 mm			○	○	○		○	○	○

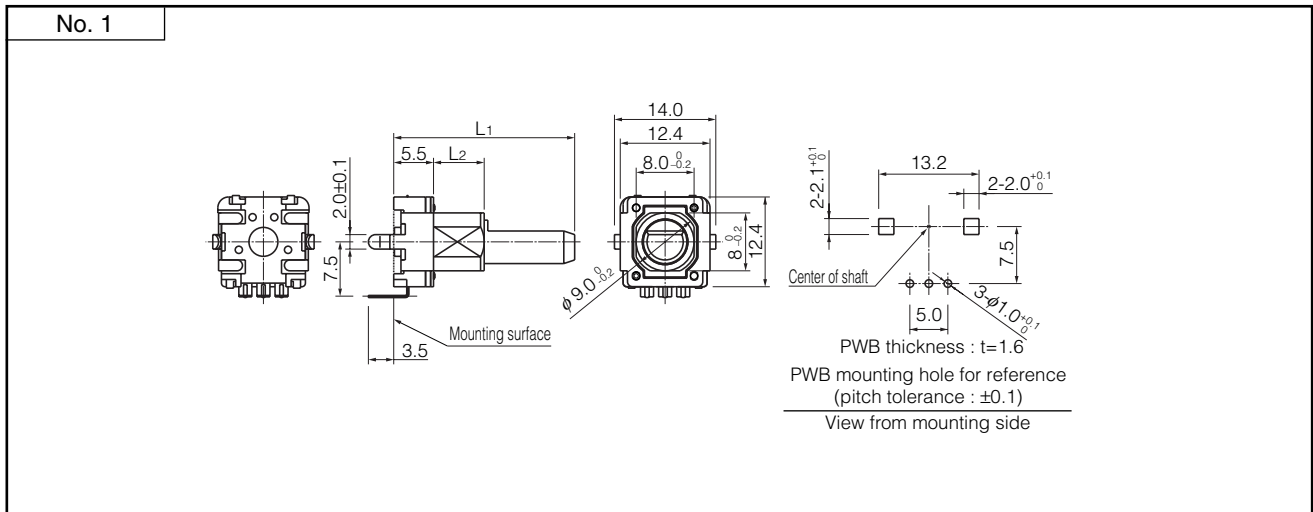
■ Specifications

Mechanical	Rotation Angle		360 ° (Endless)			
	Shaft Pull/Push Strength		80 N min.			
	Shaft Wobble		0.7xL/30 mm max.			
	Rotation Torque	Standard Type	3 mN·m to 20 mN·m			
		Heavy Rotation Torque	10 mN·m to 50 mN·m			
Detents		12 points, 20 points, 24 points, without detents (Heavy rotation-torque without detents)				
Electrical	Output Signals		Phase A and B			
	Resolution		12, 20, 24 pulses/360 °			
	Rating		1 mA 5 Vdc, 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.			
Endurance	Operating Life	Standard Type	30000 cycles min.			
		Heavy Rotation Torque	15000 cycles min.			
	Operating Temperature		-10 °C to +60 °C			
	Storage Temperature		-40 °C to +85 °C			
Minimum Quantity/Packing Unit			L≤25.0 mm	100 pcs. Polyethylene Bag(Bulk)	L>26.0 mm	200 pcs. Polyethylene Bag(Bulk)
Quantity/Carton			L≤25.0 mm	1000 pcs.	L>26.0 mm	2000 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.

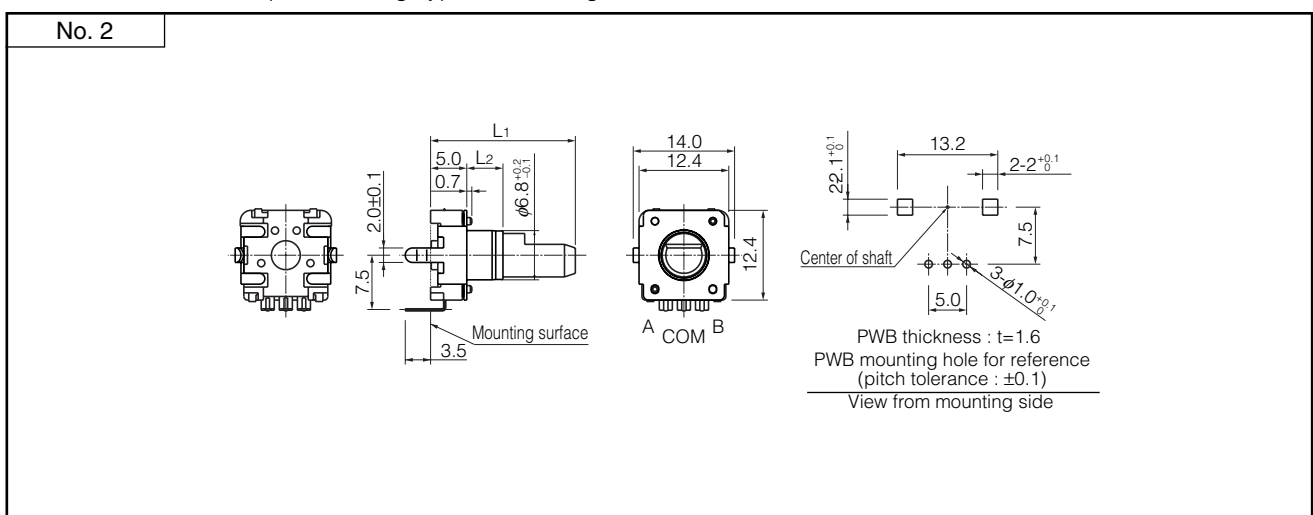
■ Dimensions in mm (not to scale)

- High rotation-torque / Bushing Type with Sleeve Without detents : EVEKE2



- Standard rotation-torque / Bushing Type with Barling Without detents : EVEGA2

With detents : EVEGA1



- Standard rotation-torque / Bushing Type with Die-cast Without detents : EVEGC2

With detents : EVEGC1

