

Encoders

Through shaft Encoder

5mm Size Hollow Shaft Type
EC05E Series

Compact design featuring Drum Cord™ technology.



- Output signal: Two phase A and B
- Ratings: 0.55mA 5.5V DC
- Operating life: 100,000 cycles

Applications: Mobile: Headsets, wearables, Notebooks, peripherals
 Energy Industrial: Robots, drones
 Game: Home handheld consoles, Virtual/augmented reality
 Healthcare: Healthcare equipment, Nursing care equipment,
 Analysis, test equipment

■ Product List

Products No.	Control part orientation	Detent torque	Mount height	Number of detent	Number of pulse	Automotive	Drawing No.
EC05E1220202	Horizontal	1.6±1.3mN·m	4.5mm	12	12	—	1
EC05E1220203	Horizontal	1.6±1.3mN·m	4.5mm	12	12	—	2
EC05E1220401	Vertical	1.6±1.3mN·m	—	12	12	—	3

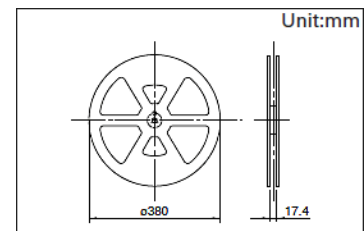
⚠ Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).

■ Packing Specifications

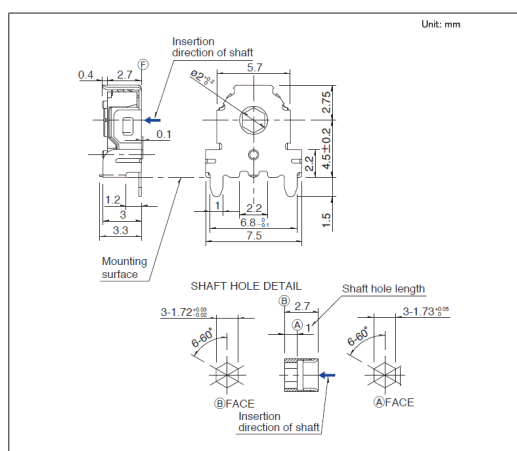
Taping

Products No.	Number of packages(pcs.)			Tape width (mm)	Export package measurements (mm)
	1 reel	1 case / Japan	1 case / export packing		
EC05E1220202 EC05E1220203	1,000	4,000	8,000	16	485 x 410 x 246
EC05E1220401	2,000	8,000	16,000	16	485 x 410 x 246

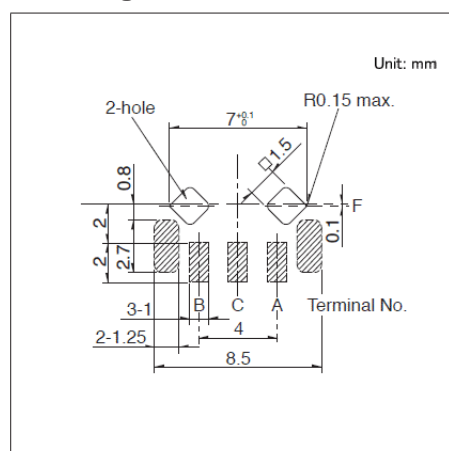


Drawing No. 1

■ Dimensions



■ Mounting Hole and Land Dimensions

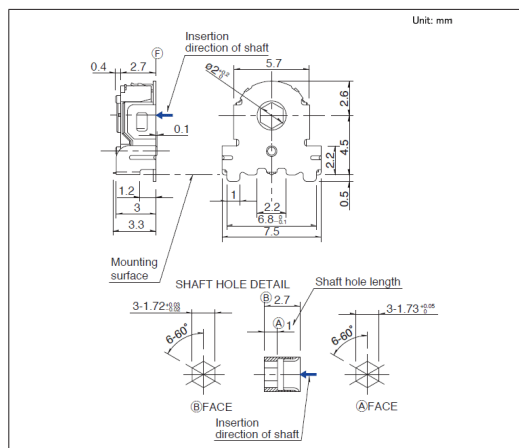


Viewed from mounting side.
 shaded area indicated soldering land.

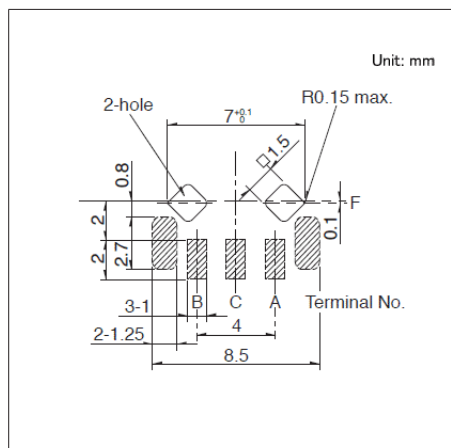
5mm Size Hollow Shaft Type
EC05E Series

Drawing No.2

■ Dimensions



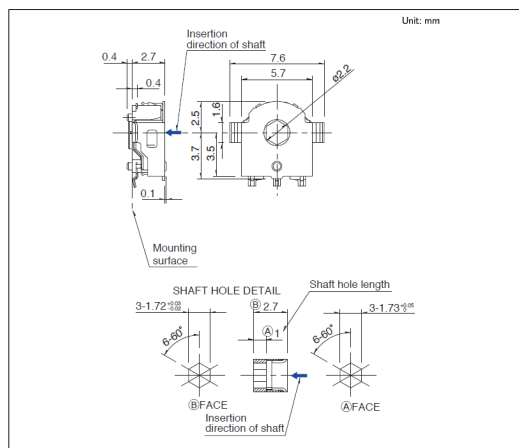
■ Mounting Hole and Land Dimensions



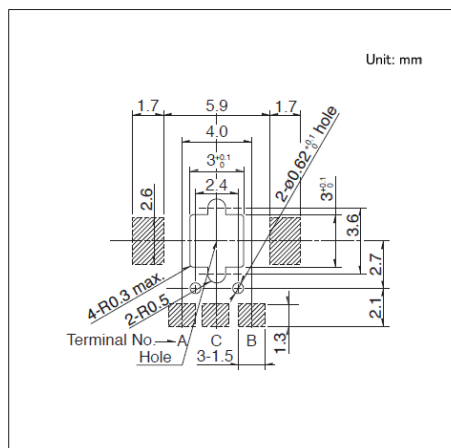
Viewed from mounting side,
shaded area indicated soldering land.

Drawing No.3

■ Dimensions



■ Mounting Hole and Land Dimensions



Viewed from mounting side,
shaded area indicated soldering land.