



Feature

1. Miniature and highly accurate contact type encoder
2. 7.7 mm wide and 9.35mm high envelope
3. Incremental type

F08E Series Encoder

Electrical characteristics

- Rated Power.....DC 5V, 2.5mA(1mA Min)
- Contact resistance.....10 Ω Max at DC 5V, 1mA
- Insulation Resistance.....More than 100M Ω at 250V for 1 minute
- Withstand voltage.....AC 300V for 1 minute
- Number of detent.....20 detents (Angle: 18° $\pm$ 3°)
- Resolution.....10 Pulses/360° for each phase.
- Chattering.....3ms Max
- Phase-difference.....Td=T/4 $\pm$ T/6(in case of no detent)

Mechanical characteristics

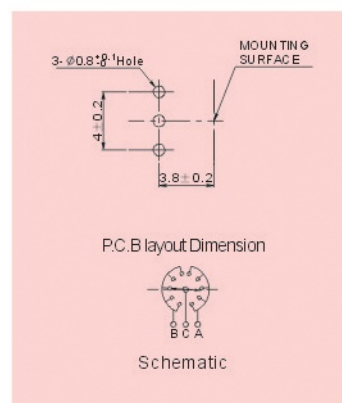
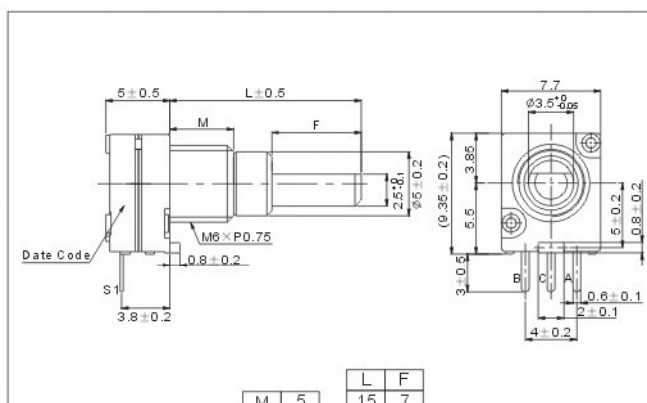
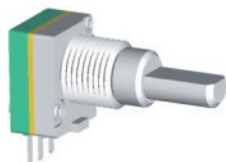
- Rotational Torque20 ~ 250gf.cm
- Total Rotational Angle.....360° Continuous
- Push-Pull Strength of shaft..... Pull : 10.0Kgf Min
Push: 10.0Kgf Min
- Bushing & nut tight strength..... 10.0Kgf.cm Min

Endurance characteristics

- Rotational Life.....50,000 Cycles Min.
- Load Life.....50,000 Cycles Min with load.
- Dry heat.....70°C, 240 $\pm$ 10H, CR is 10 Ω Max;
IR 10M Ω Min at DC250V.
- Cold-30°C, 1H, CR is 10 Ω Max;
IR 10M Ω Min at DC250V.
- Damp heat40 $\pm$ 2°C, 90-95 RH for 96H, CR is 10 Ω Max;
IR 10M Ω Min at DC250V.

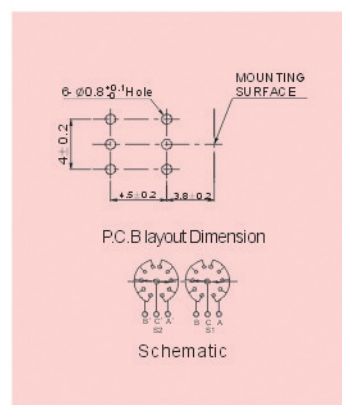
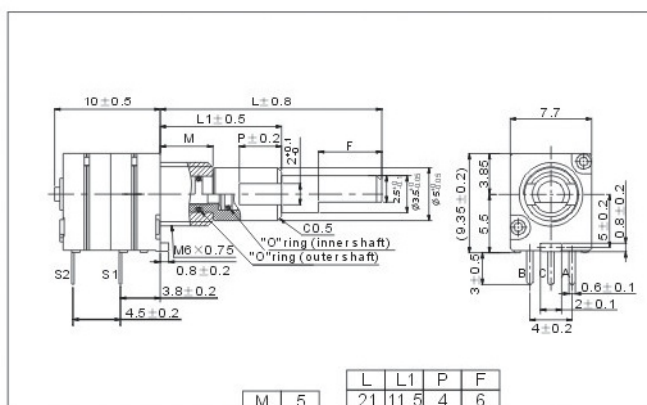
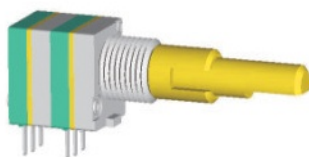
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Vertical Type, Single Unit,
P.C.B. Terminal

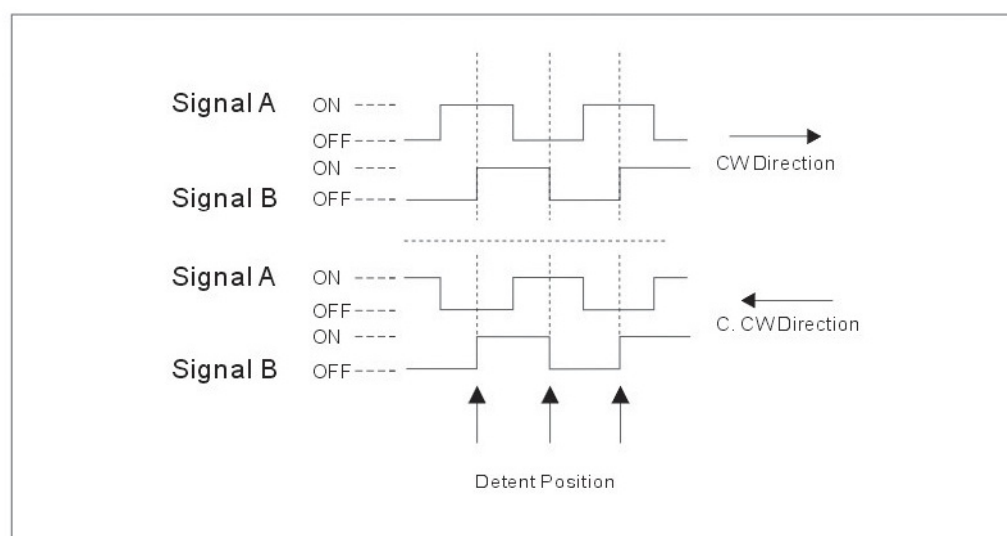


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Vertical Type, Single Unit,
P.C.B. Terminal



Output Signal Diagram





F08E Series

Rotary Encoder



HOW TO ORDER

