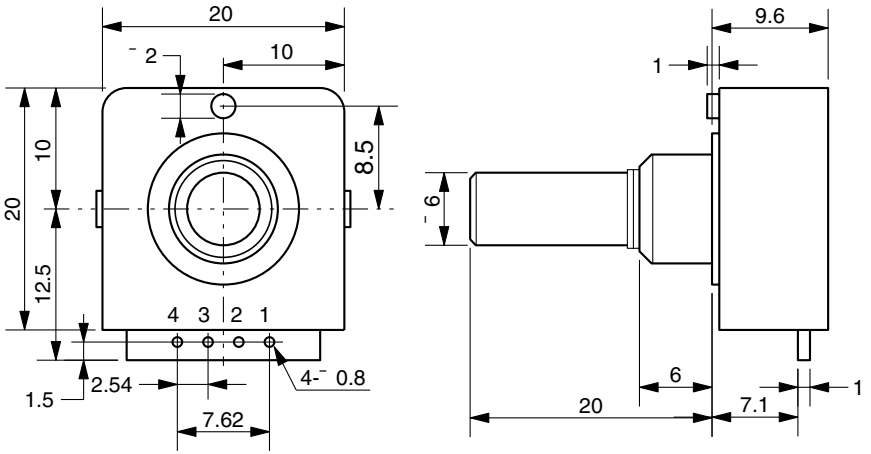
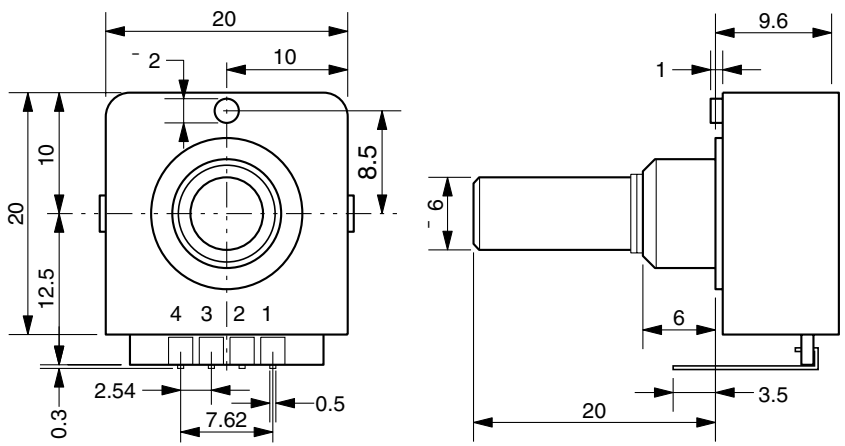


EC204B020B



EC204B020A

SPECIFICATIONS

ELECTRICAL

1. Input Voltage: 5.0 VDC ±5%
2. Current Consumption: 50 mA max.
3. Resolution: 20 PPR, incremental
4. Phase Difference, chA/chB: 90°±45°
5. Output: TTL, CMOS compatible
6. Max. Freq. Response: 100 Hz

MECHANICAL

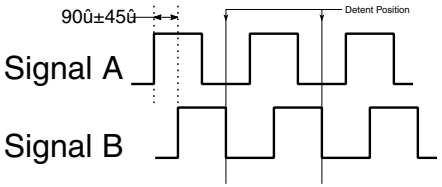
1. Max Shaft Load, radial: 1.0 kgf
   axial: 1.0 kgf
2. Rotational Angle: 360° continuous
3. Detent Torque: 40±20 gf•cm
4. Rotational Life: 1.0 x 10^6 cycles

ENVIRONMENTAL

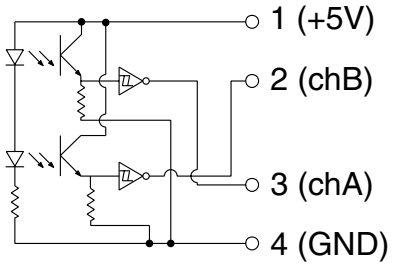
1. Operating Temp: 0° to +60° C
2. Storage Temp: -20° to +80° C
3. Humidity: 85% RH, no condensation
4. Vibration: 10 - 55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 6ms, 3 axes, 3 reps

OUTPUT WAVEFORM

Counter clockwise rotation viewed from front



OUTPUT CIRCUIT

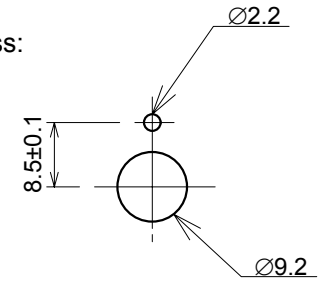


Ordering Information

EC204B020
- A: PC Board Pins
- B: Through Holes

CUT-OUT DIMENSIONS

Mounting Panel Thickness:
1.6~2.0mm



C U I Stack, Inc.
9615 SW Allen Blvd. #103
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DRAWN BY	UPDATED	CHECKED	RELEASED
JAS	06/28/06	06/28/06	

PART NO. EC204B020X REV. B