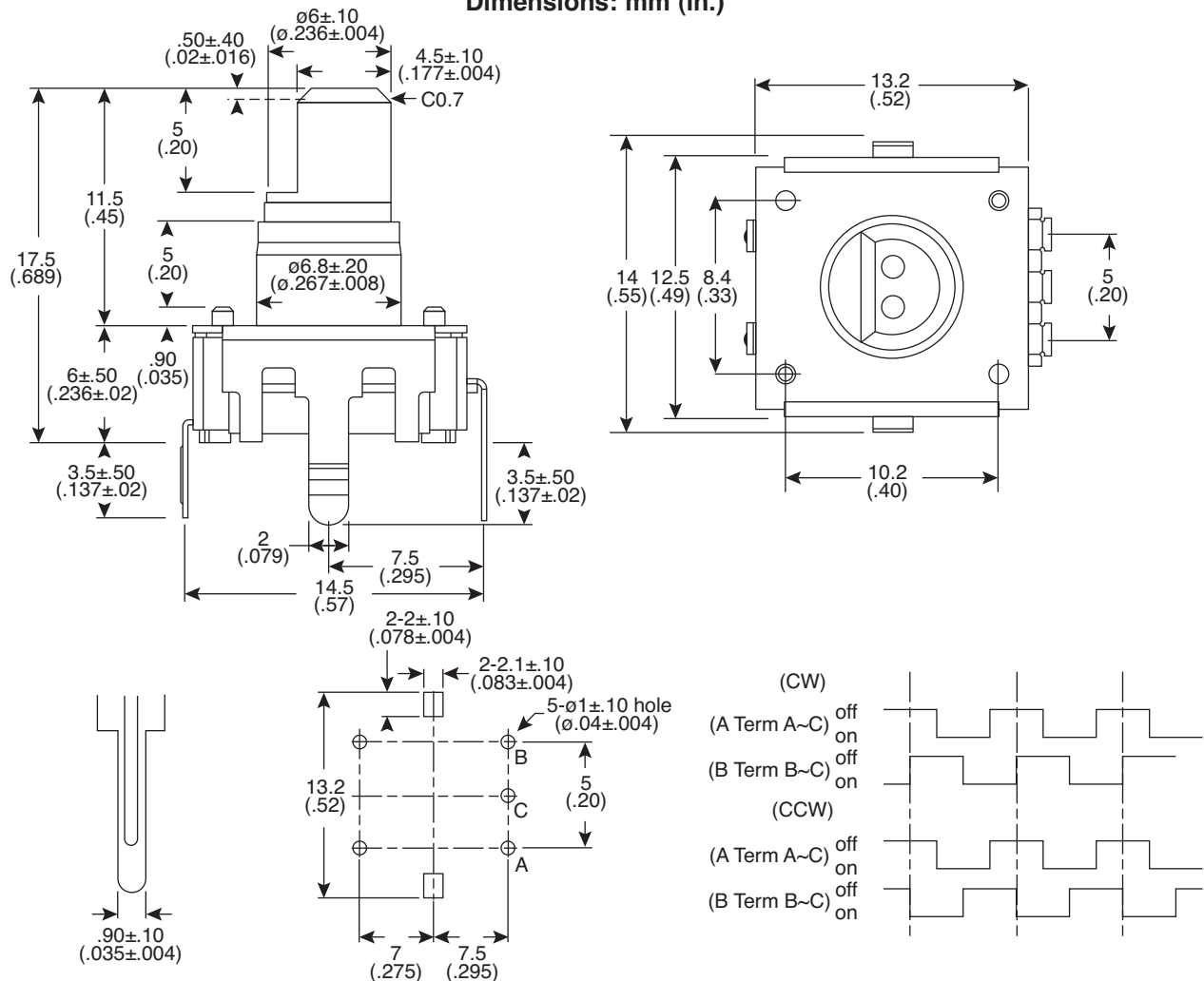




Rotary Encoder

318-ENC130175F-12PS

Dimensions: mm (in.)



(CW)

(A Term A~C) off on

(B Term B~C) off on

(CCW)

(A Term A~C) off on

(B Term B~C) off on

(CW)

(A Term A~C) off on

(B Term B~C) off on

Mechanical Specifications:

- Operating Temp: -10°C to 70°C
- Storage Temp: -40°C to 85°C
- Rotational Torque: 50gf.cm max.
- No. and Pos. of detents: 12 detents (Step angle 30° \pm 3°)
- Terminal Strength: A static load for 300gf.cm shall be applied to the tip of the terminals for 10 sec. in any direction
- Shaft push-pull strength: 5.1kgf
- Rotational life: 30,000 cycles

Note:

- RoHS Compliant

Electrical Specifications:

- Rating: 1mA/10VDC
- Insulation Resistance: 50VDC 10M Ω Min.
- Dielectric Strength: 50VAC for 1 min.
- Resolution: 12 pulses/360° for each phase

Soldering Specifications:

- Soldering: To be performed in 5 seconds within 260 \pm 5°C
- Manual Soldering: To be performed in 3 seconds within 350 \pm 5°C
- Preheating: The entire flow duration should not exceed 2 min., and soldering surface temperature (undersurface of PCB) shall be settled within 100°C

Push-on Switch Specifications:

- Type: Single Pole Single Throw (Push on)
- Rating: 10mA/5VDC
- Switch Travel (mm): 0.5 \pm 0.4
- Operating Force: 200~460gf
- Operating Life: 20,000 times