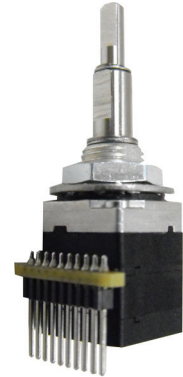


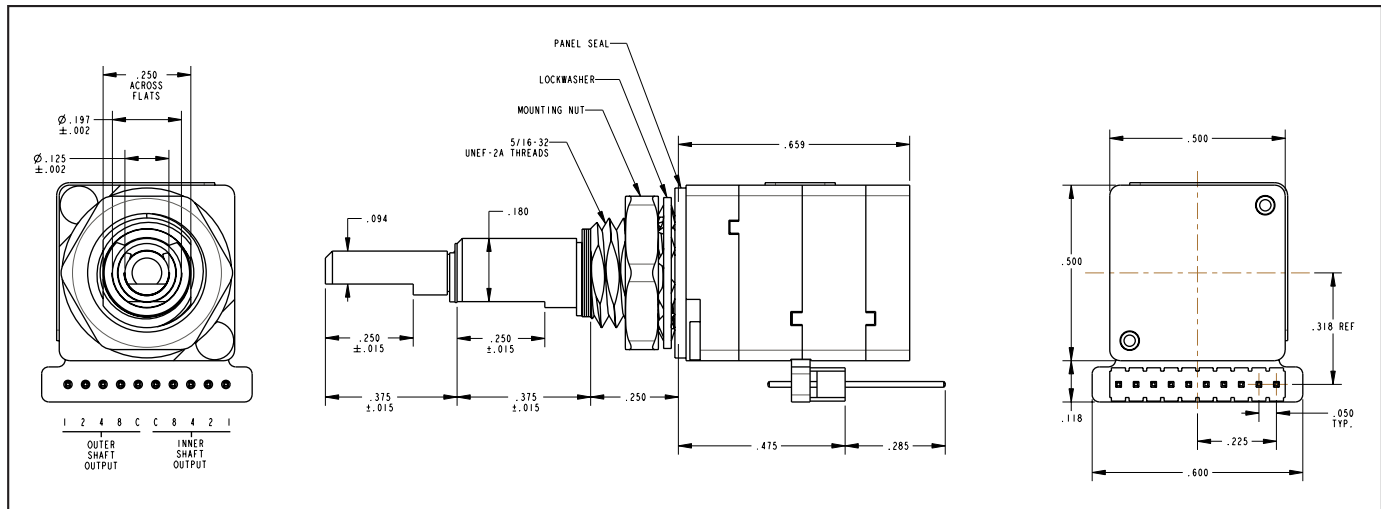
## SERIES 20 Concentric Shafts

### FEATURES

- Compact mechanical encoder with concentric shafts
- Output Code Choices
- Panel and Shaft Seal Option
- Manufactured to ISO 9001 and Military Standards
- Available with a fixed stop or continuous rotation
- Custom Configurations Available



### DIMENSIONS in inches



### SPECIFICATIONS

#### Electrical Ratings

##### Switching Loads:

150 mA, 115 Vac

200 mA, 28 Vdc

##### Life Expectancy:

25,000 cycles at rated loads

**Contact Resistance:** 300 mohms max.

(less than 100 mohms initially)

**Insulation Resistance:** 1000 Mohms min.

(10,000 Mohms initially)

**Dielectric Strength:** 500 Vac min.

#### Mechanical Ratings

**Stop Strength:** 5 in-lbs.

##### Rotational Torque:

5 in-oz outer shaft

3.5 in-oz inner shaft

**Mounting Torque:** 12 in-lbs. recommended

##### Operating Temperature Range:

-40°C to +85°C

##### Storage Temperature Range:

-55°C to +100°C

**Immersion:** 15 psi (33ft) for 30 minutes

**Pin Dimensions:** .018 inch square

#### Hardware Dimensions:

Lockwasher: .437inch diameter, .022inch thick

Hex Nut: 5/16-32 UNEF-2B Thread,

.437 inch across flats, .094 inch thick

#### Materials and Finishes

**Terminal Pins:** Phosphor bronze with tin over nickel plating

**Panel Seal:** Buna-N rubber, adhesive coated

**Lockwasher:** Spring steel with zinc plating

**Hex Nut:** Brass with tin/zinc plating

### ORDERING INFORMATION (potential combinations)

