

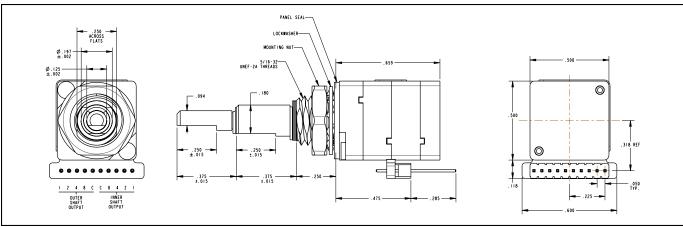
# SERIES 20 Concentric Shafts

## **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

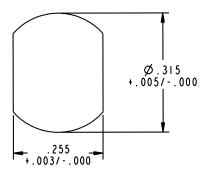
# **Materials and Finishes**

**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

## RECOMMENDED PANEL CUT-OUT



## **ORDERING INFORMATION** (potential combinations)

