



he **Model 357** is a <sup>7</sup>/<sub>8</sub>" diameter single turn conductive plastic potentiometer. With its compact size; advanced design technology; and versatility in a variety of applications the **357** offers a cost effective solution to your potentiometer requirements.

## ELECTRICAL

Resistance:

Standard Range, 1KΩ to 50KΩ Ohms

Tolerance:

Standard, ±20% Special to, ±10%

Linearity: (Independent)

Standard, ±2.0% Special to, ±0.25%

Output Smoothness: 0.1% max

TCR: ±600 PPM /°C max

Power rating:

1.0 W at 70°C

Derate to 0 W at 125°C

Electrical travel:

 $340^{\circ} \pm 3^{\circ}$ 

End voltage:

0.5% max

Dielectric withstanding voltage:

1,000V RMS, 50Hz

Insulation Resistance:

 $1000M\Omega$ , 500VDC

### MECHANICAL

Rotation: 360° continuous

(Optional mechanical stops 340°±3°)

Bearing type bushing:

Sleeve Bearing

Operating torque (Max):

starting and running

3.68 mNm (0.5 oz in)

Shaft tolerance mm max:

Runout

0.13

**End Play** 

0.25

Radial Play

0.13

Weight: 17.5gms (0.62oz)

## RESISTANCE VALUES

Ohms: 1K, 2K, 5K, 10K, 20K, 50K.

# MARKING

Unit identification:

Manufacturer's name and model number, IEC resistance value coding, tolerance, date code and terminal identification.

# ENVIRONMENTAL

Moisture Resistant . . . . . . . . . Yes

 Shock
 50g

 Load Life
 1000 hours

 Temperature Range
 -55°C to +125°C

Materials:

Housing . . . . . . . . . . Plastic, Glass Filled (Black)
Bushing . . . . . . . . . . . . . . . . . . Brass, Nickel plated

Terminals . . . . . . . . . . . . . . . . . Turret type, solder plated

Bushing Mount Hardware:

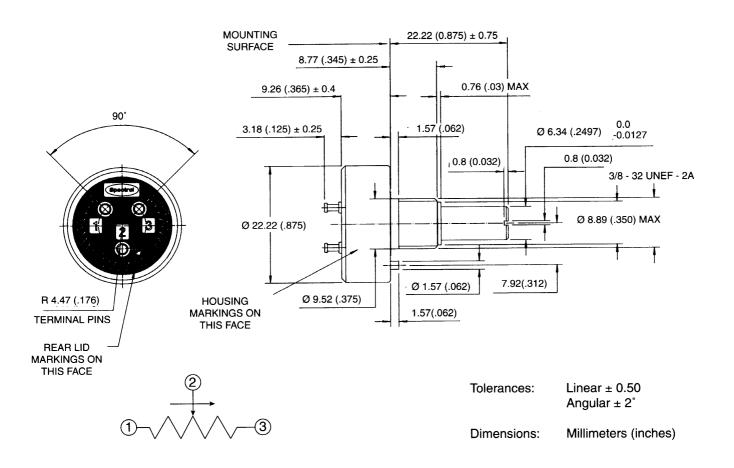
Lockwasher, Internal Tooth . . . . Steel, Nickel plated Panel Nut . . . . . . . Brass, Nickel plated

Spectrol Reliance Limited, Garrard Way, Swindon, Wiltshire SN3 3HY Tel: (01793) 521351 Telex: 44692 Fax: (01793) 539255

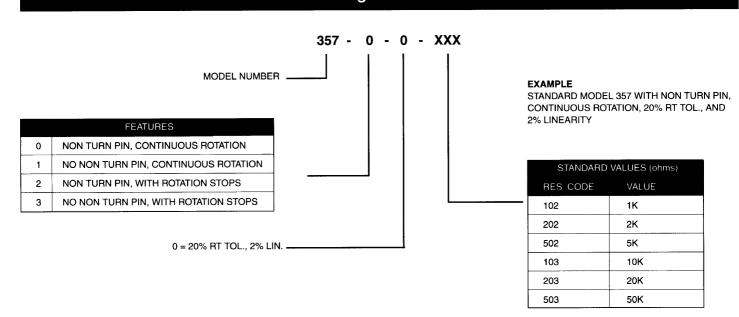
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#### **Dimensions**



#### **Ordering Information**









A Kearney-National Company