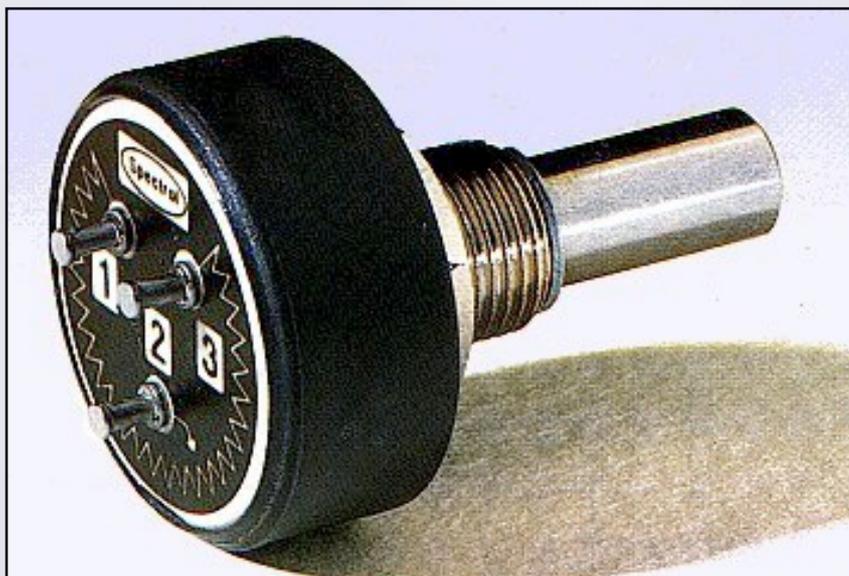


357

Conductive Plastic
Potentiometer

The Model 357 is a 7/8" 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, 1K Ω to 50K Ω Ohms**Tolerance:**Standard, $\pm 20\%$
Special to, $\pm 10\%$ **Linearity (independent):**Standard, $\pm 2.0\%$
Special to, $\pm 0.25\%$ **Output Smoothness:**

0.1% max

TCR: ± 600 PPM/ $^{\circ}$ C max**Power Rating:**1.0W at 70 $^{\circ}$ C
Derate to 0 W at 125 $^{\circ}$ C**Electrical Travel:**340 $^{\circ}$ $\pm 3^{\circ}$ **End Voltage:**

0.5% max

Dielectric Withstanding Voltage:

1,000V RMS, 50Hz

Insulation Resistance:1000M Ω , 500VDC**MECHANICAL****Rotation:**360 $^{\circ}$ continuous
(optional mechanical stops 340 $^{\circ}$ $\pm 3^{\circ}$)**Bearing Type Bushing:**

Sleeve Bearing

Operating Torque Max:Starting and running 3.68mNm
(0.5oz in)**Shaft Tolerance mm max:**Runout 0.13
End Play 0.25
Radial Play 0.13**Weight:**

17.5gms (0.62oz)

RESISTANCE VALUESOhms- 1K, 2K, 5K, 10K,
20K, 50K**MARKING****Unit Identification:**

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

ENVIRONMENTAL

Moisture Resistant:	Yes
Vibration:	15g, 10 to to 2,000Hz
Shock:	50g
Load Life:	1000 hours
Temperature Range:	-55 $^{\circ}$ C to +125 $^{\circ}$ C
Rotational Life (Mechanical):	10,000,000 shaft revolutions
Rotational Life (Electrical):	5,000,000 shaft revolutions

Materials	
Housing:	Plastic, glass filled (black)
Bushing:	Brass, nickel plated
Rear Lid:	Alumina
Shaft:	Stainless steel
Terminals:	Turret type, solder plated

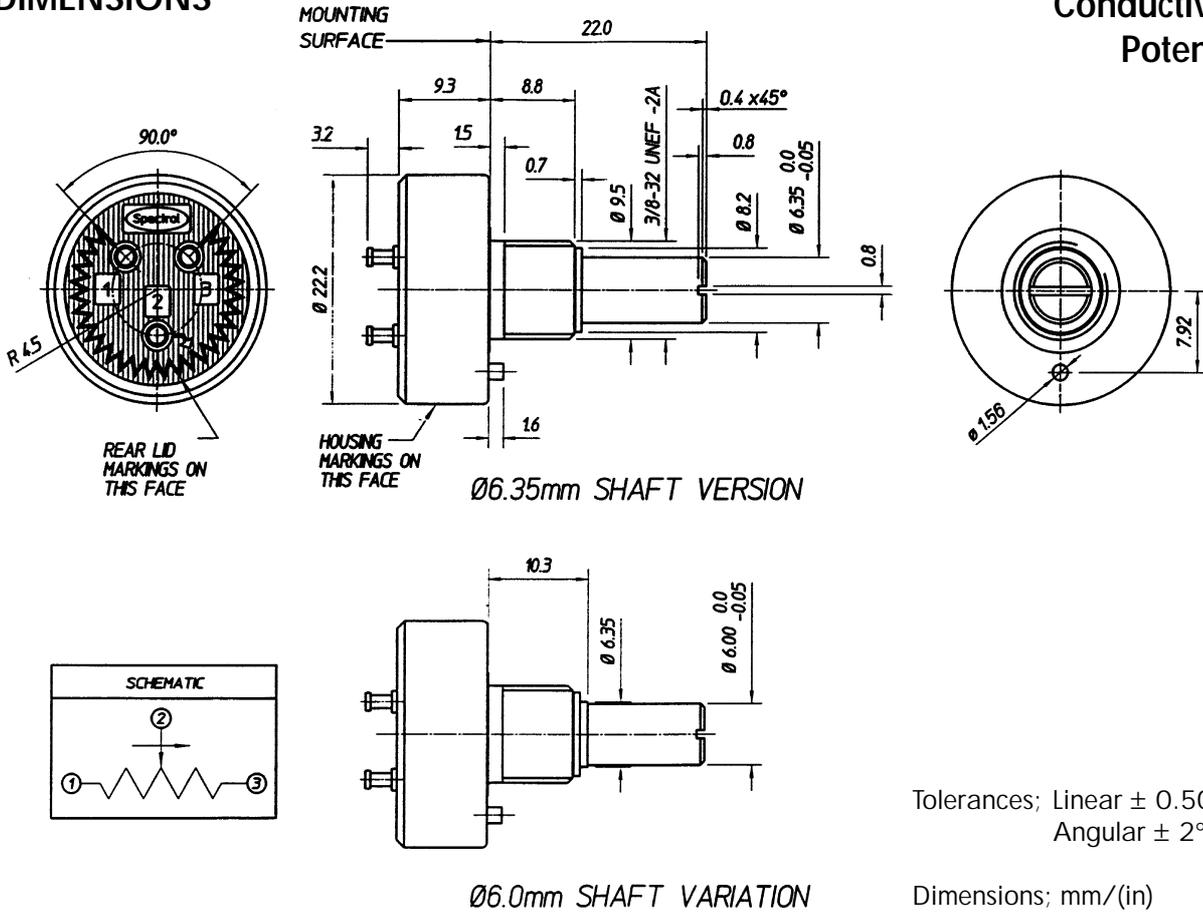
Bushing Mount Hardware	
Lockwasher, Internal Tooth:	Steel, nickel plated
Panel Nut:	Brass, nickel plated

Model 357

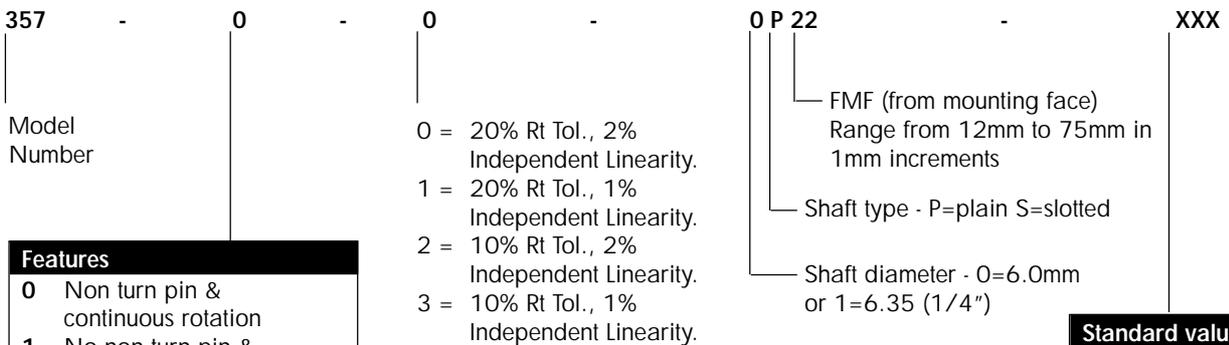
357

Conductive Plastic Potentiometer

DIMENSIONS



ORDERING INFORMATION



Features	
0	Non turn pin & continuous rotation
1	No non turn pin & continuous rotation
2	Non turn pin, with stops on rotation
3	No non turn pin with stops on rotation

Standard values (Ohms)	
Res. code	Value
102	1k
202	2k
502	5k
103	10k
203	20k
503	50k

