

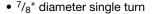
Vishay Spectrol

# <sup>7</sup>/<sub>8</sub>" (22.2 mm) Conductive Plastic Potentiometer, Bushing Mount Type



	QUICK REFERENCE DATA	
	Sensor type	ROTATIONAL, conductive plastic
	Output type	Output by turrets
ſ	Market appliance	Industrial
	Dimensions	<sup>7</sup> / <sub>8</sub> " (22.2 mm)

### **FEATURES**

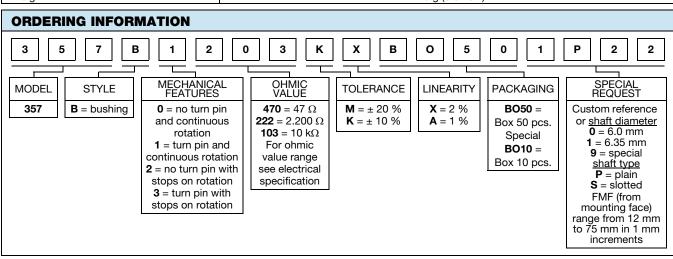




- · Compact size, advanced design technology
- Offer a cost effective solution to your potentiometer requirements
- Suitable model for all industrial applications
- Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>

PARAMETER PARAMETER			
Resistance	Standard range, 1 k $\Omega$ to 50 k $\Omega$		
Tolerance	STANDARD ± 20 %	SPECIAL TO ± 10 %	
Linearity (independent)	STANDARD ± 2.0 %	SPECIAL ± 1.0 %	
Output smoothness	0.1 % maximum		
CR	± 600 ppm/°C maximum		
Power rating	1.0 W at 70 °C der	ated to 0 W at 125 °C	
Electrical travel	oltage 0.5 % maximum tric withstanding voltage 1000 V <sub>RMS</sub> , 60 Hz		
nd voltage			
ielectric withstanding voltage			
Insulation resistance			

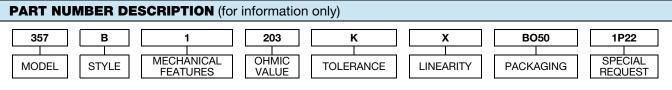
MECHANICAL SPECIFICATIONS		
PARAMETER		
Rotation	360° continuous (optional mechanical stops 340° ± 3°)	
Mounting	3/8 - 32 UNEF - 2A	
Operating torque maximum	Starting and running 3.68 mNm (0.5 oz in)	
Shaft tolerance maximum		
Runout	0.13 mm (0.005")	
End play	0.25 mm (0.010")	
Radial play	0.13 mm (0.005")	
Weight	17.5 g (0.62 oz.)	

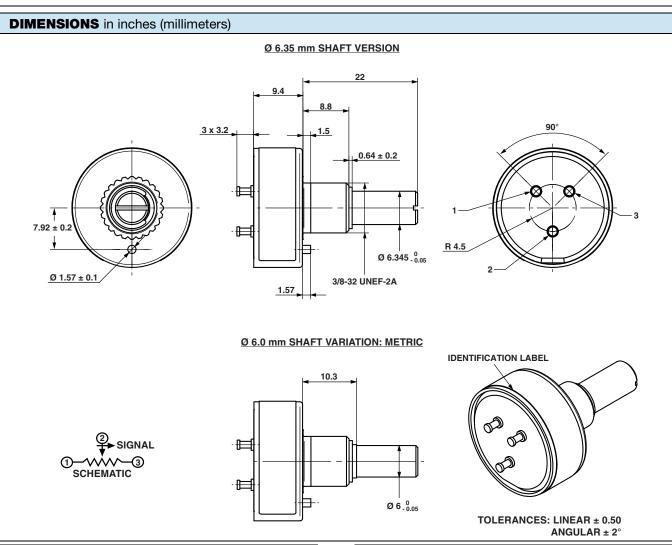


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## Vishay Spectrol





ENVIRONMENTAL SPECIFICATIONS			
Vibration	15 g, 10 Hz to 2000 Hz		
Shock	50 <i>g</i>		
Load Life	1000 h		
Storage temperature range	-55 °C to +125 °C		
Life	5 000 000 shaft revolutions		
Materials			
Housing	Thermoplastic housing		
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		

MARKING		
Unit Identification	Manufacturer's name and model number, resistance value and tolerance, linearity specification date code and terminal identification.  Example of a marking for a standard part: 357-0-0-1S22-103	

RESISTANCE VALUE	
Ohms	1K, 2K, 5K, 10K, 20K, 50K

Note

Nothing stated herein shall be construed as a guarantee of quality or durability



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