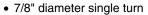
Vishay Spectrol



⁷/₈" (22.2 mm) Conductive Plastic **Potentiometer, Bushing Mount Type**



FEATURES





- Compact size, advanced design technology
- Offer a cost effective solution to your potentiometer requirements
- Suitable model for all industrial applications

ELECTRICAL SPECIFICATIONS			
PARAMETER			
Resistance	Standard range, 1 k Ω to 50 k Ω		
Tolerance	STANDARD ± 20 %	SPECIAL TO ± 10 %	
Linearity (Independent)	STANDARD ± 2.0 %	SPECIAL ± 1.0 %	
Output Smoothness	0.1 %	maximum	
TCR	± 600 ppm/°C maximum		
Power Rating	1.0 W at 70 °C derated to 0 W at 125 °C		
Electrical Travel	340	0° ± 3°	
End Voltage	0.5 % maximum		
Dielectric Withstanding Voltage	1000 V _{RMS} , 60 Hz		
Insulation Resistance	1000 MΩ, 500 V _{DC}		

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.)		

ORDERING INFORMATION/DESCRIPTION									
357	В		0	10K	20 %	Α	BO50	0 P 22	e4
MODEL	STYLE		FEATURES	OHMIC VALUE	TOLERANCE ON OHMIC VALUE	LINEARITY	PACKAGING	SHAFT TYPE	LEAD
	Bushing	0	Non turn pin and continuous rotation				Box of 50 pieces	Shaft diameter 0 = 6.0 mm or 1 = 6.35 (1/4")	Finish
		1	No non turn pin and continuous rotation	From 1K to 50 K	Or	X: ± 2 % A: ± 1 %		Shaft type P = plain S = slotted FMF (from Mounting face)	
		2	Non turn pin, with stops on rotation					Range from 12 mm to 75 mm in 1 mm increments	
		3	No non turn pin with stops on rotation						

SAP PART NUMBERING GUIDELINES						
357B	2	203	M	Х	B25	1S22
MODEL	FEATURES	OHMIC VALUE	TOLERANCE ON OHMIC VALUE	LINEARITY	PACKAGING	SHAFT TYPE
		203 = 20K	M: ± 20 %/K: ± 10 %	X: ± 2 %	Box of 50 Pieces	

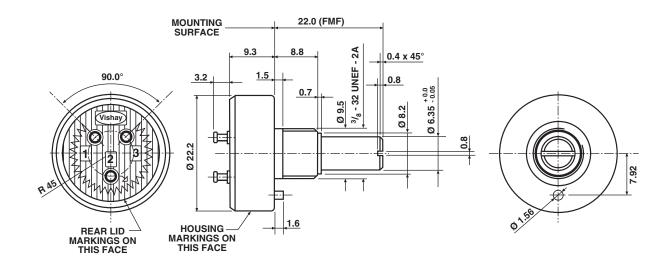
Vishay Spectrol

$^{7}/_{8}$ " (22.2 mm) Conductive Plastic Potentiometer, Bushing Mount Type

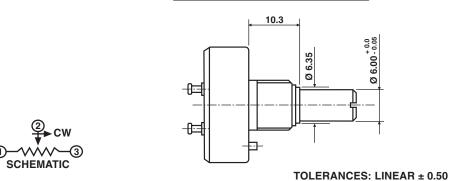


DIMENSIONS in millimeters

Ø 6.35 mm SHAFT VERSION



Ø 6.0 mm SHAFT VARIATION: METRIC



ENVIRONMENTAL CE	FOIFIGATIONS
ENVIRONMENTAL SF	PECIFICATIONS
Vibration	15 g, 10 to 2000 Hz
Shock	50 g
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 Indentification	Manufacturer's name and model number, resistance value and tolerance, linearity specification date code and terminal identification			

ANGULAR ± 2°

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

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