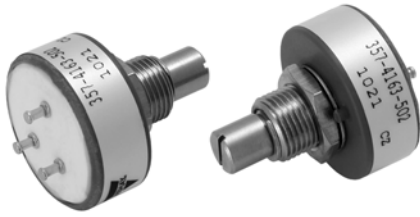


7/8" (22.2 mm) Conductive Plastic Potentiometer, Bushing Mount Type



FEATURES

- 7/8" diameter single turn
- Compact size, advanced design technology
- Offer a cost effective solution to your potentiometer requirements
- Suitable model for all industrial applications
- Compliant to RoHS Directive 2002/95/EC



| ELECTRICAL SPECIFICATIONS | | |
|---------------------------------|---|-----------------------------|
| PARAMETER | | |
| Resistance | Standard range, 1 kΩ to 50 kΩ | |
| 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° ± 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 | B | 0 | 10K | 20 % | A | 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 mm (1/4") | Finish |
| | | 1 No non turn pin and continuous rotation | From 1K to 50 K | ± 10 % or ± 20 % | 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 | X | 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 | |

Model 357

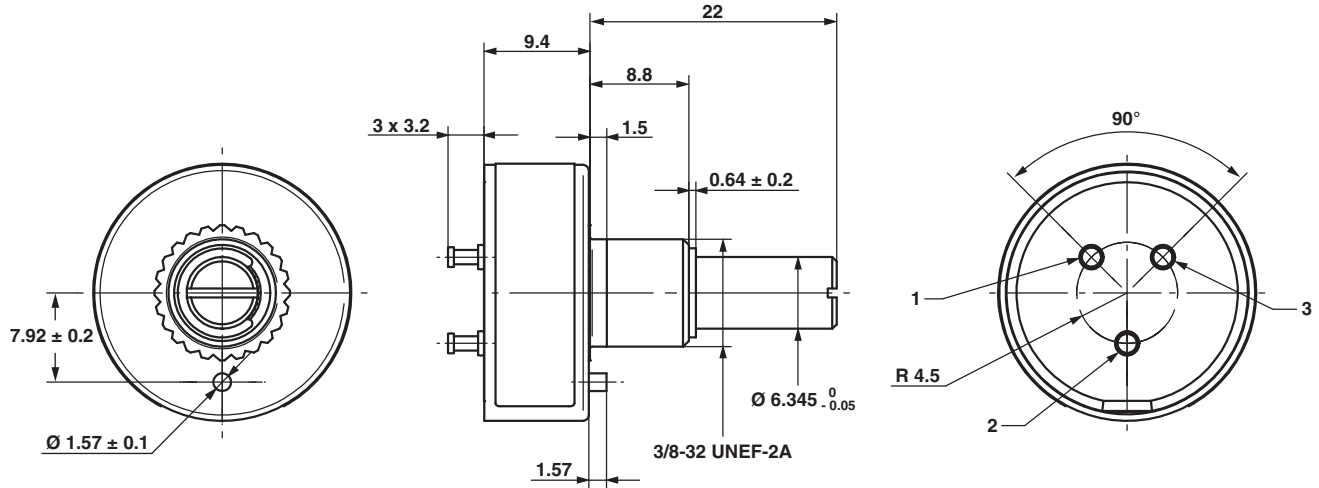
Vishay Spectrol

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

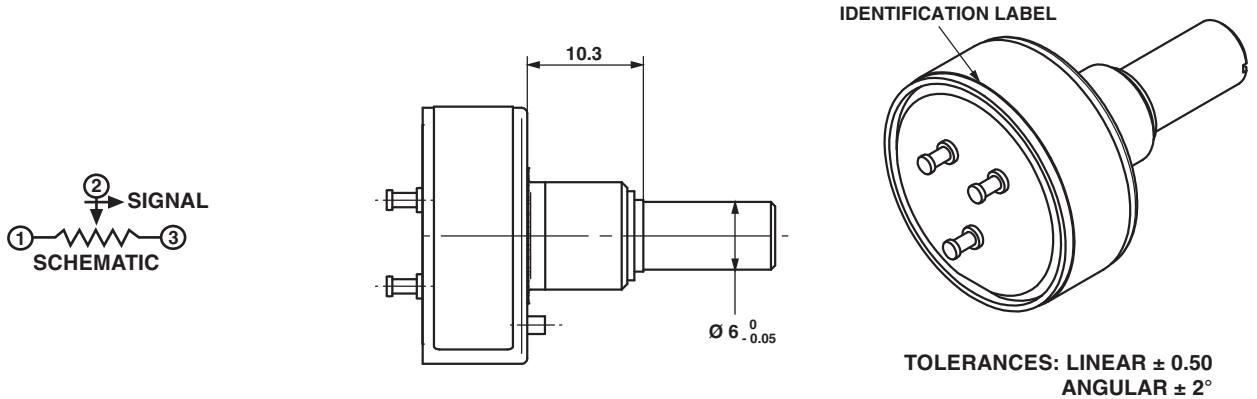


DIMENSIONS in millimeters

Ø 6.35 mm SHAFT VERSION



Ø 6.0 mm SHAFT VARIATION: METRIC



| ENVIRONMENTAL SPECIFICATIONS | |
|------------------------------|-----------------------------|
| Vibration | 15 g, 10 Hz 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 Identification | Manufacturer's name and model number, resistance value and tolerance, linearity specification date code and terminal identification |

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



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