

Features

- Compact size
- Stainless steel 1/4" diameter shaft
- Turret type, solder plated terminals
- Plastic housing with non-turn pin

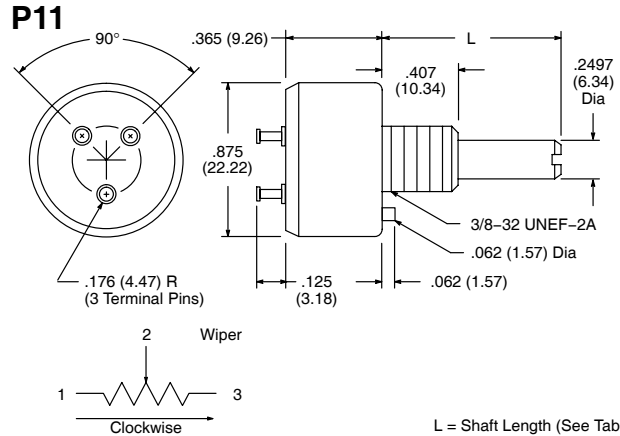


Spectrol No.	NTE Part No.	Value (Ohms)	Shaft Length	Diag No.
357-0-0-102	502-0080	1K	7/8"	P11
357-2-0-102	502-0087	1K	7/8"	P11
357-0-0-202	502-0081	2K	7/8"	P11
357-2-0-202	502-0088	2K	7/8"	P11
357-0-0-502	502-0082	5K	7/8"	P11
357-2-0-502	502-0089	5K	7/8"	P11
357-0-0-103	502-0083	10K	7/8"	P11
357-2-0-103	502-0090	10K	7/8"	P11
357-0-0-203	502-0084	20K	7/8"	P11
357-2-0-203	502-0091	20K	7/8"	P11
357-0-0-503	502-0085	50K	7/8"	P11
357-2-0-503	502-0092	50K	7/8"	P11

NOTE: 357-0-XX-XXX types are continuous rotation
357-2-XX-XXX types contain rotation stops

Spectrol 357 Series

Potentiometer – 1 Watt, 7/8" round case, 1/4" dia. shaft, single turn



Specifications

Electrical

Resistance Range – Linear Taper: 1K Ω to 50K Ω
Resistance Tolerance: $\pm 20\%$
Power Rating: 1 Watt @ 70°C derated to 0 Watts @ 125°C
Temperature Coefficient of Resistance: $\pm 600 \text{ ppm}/^\circ\text{C}$
Linearity Tolerance: $\pm 2\%$ independent
Output Smoothness: 0.1% max
Insulation Resistance: 1000 Meg Ω min, 500VDC
Dielectric Strength: 1000V RMS min 50Hz
End Voltage: 0.5% max
Electrical Travel: $340^\circ \pm 3^\circ$
Rotation Life: 2,000,000 shaft revolutions

Mechanical

Bearing Type Bushing: Sleeve bearing
Resistance Element: Conductive plastic
Mechanical Rotation: 360° (Continuous), $340^\circ \pm 3^\circ$ (With Stops)
Starting and Running Torque: 3.68mNm (0.5 oz in)
Shaft Tolerance: 0.13 mm (Runout)
 0.25 mm (End Play)
 0.13 mm (Radial Play)

Rotation Life: 10,000,000 shaft revolutions

Environmental

Operating Temperature: -55°C to $+125^\circ\text{C}$
Load Life: 1000 hr.