

## Features

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

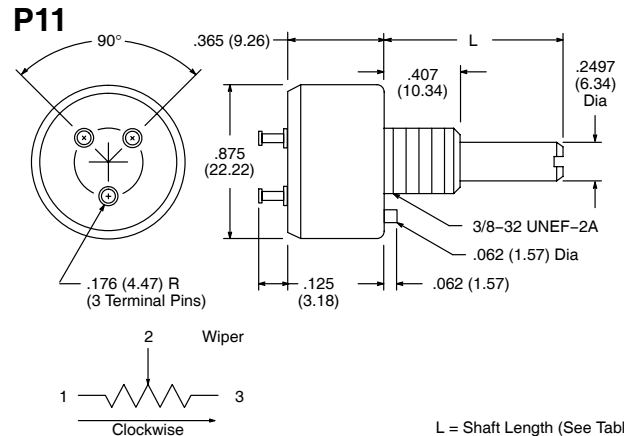


Spectrol No.	NTE Part No.	Value (Ohms)	Shaft Length	Diag No.
357-0-0-102	502-0080	1K	7/8"	P11
357-2-0-102	502-0087	1K	7/8"	P11
357-0-0-202	502-0081	2K	7/8"	P11
357-2-0-202	502-0088	2K	7/8"	P11
357-0-0-502	502-0082	5K	7/8"	P11
357-2-0-502	502-0089	5K	7/8"	P11
357-0-0-103	502-0083	10K	7/8"	P11
357-2-0-103	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  $\Omega$  to 50K  $\Omega$
- 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  $\Omega$  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:**  $360^\circ$  (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:**  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$
- Load Life:** 1000 hr.