

## Features

- Phosphor bronze, solder plated terminals
- Available in 1/8" and 1/4" shaft diameter
- Plastic flame retardant housing
- Available in audio taper (J types)



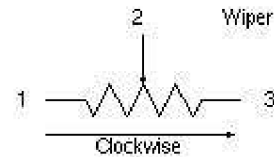
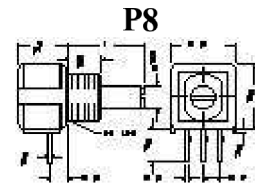
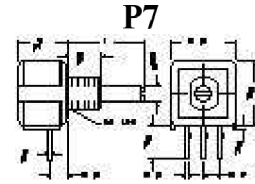
Spectrol No.	NTE Part No.	Value Ohms	Shaft Length	Diag. No.
149-8-08-101	502-0002	100	3/4"	P7
149-9-10-101	502-0021	100	7/8"	P8
149-8-08-200	502-0003	200	3/4"	P7
149-9-10-200	502-0022	200	7/8"	P8
149-8-08-251	502-0004	250	3/4"	P7
149-9-10-251	502-0023	250	7/8"	P8
149-8-08-501	502-0005	500	3/4"	P7
149-9-10-501	502-0024	500	7/8"	P8
149-8-08-102	502-0006	1K	3/4"	P7
149-9-10-102	502-0025	1K	7/8"	P8
149-J-9-10-102	502-0045	1K	7/8"	P8
149-8-08-252	502-0007	2.5K	3/4"	P7
149-9-10-252	502-0026	2.5K	7/8"	P8
149-J-9-10-252	502-0046	2.5K	7/8"	P8
149-8-08-502	502-0008	5K	3/4"	P7
149-9-10-502	502-0027	5K	7/8"	P8
149-J-9-10-502	502-0047	5K	7/8"	P8
149-8-08-103	502-0009	10K	3/4"	P7
149-9-10-103	502-0028	10K	7/8"	P8
149-J-9-10-103	502-0048	10K	7/8"	P8
149-8-08-253	502-0010	25K	3/4"	P7
149-9-10-253	502-0029	25K	7/8"	P8
149-J-9-10-253	502-0049	25K	7/8"	P8
149-8-08-503	502-0011	50K	3/4"	P7
149-9-10-503	502-0030	50K	7/8"	P8
149-J-9-10-503	502-0050	50K	7/8"	P8
149-11-104	502-0012	100K	3/4"	P7
149-9-10-104	502-0031	100K	7/8"	P8
149-J-9-10-104	502-0051	100K	7/8"	P8
149-8-08-254	502-0013	250K	3/4"	P7
149-9-10-254	502-0032	250K	7/8"	P8
149-8-08-504	502-0014	500K	3/4"	P7
149-9-10-504	502-0033	500K	7/8"	P8
149-8-08-105	502-0015	1M	3/4"	P7
149-9-10-105	502-0034	1M	7/8"	P8
149-8-08-205	502-0016	2M	3/4"	P7
149-9-10-205	502-0035	2M	7/8"	P8

## Spectrol

## 149 Series

### Potentiometer - 1 Watt, 1/2" square, 1/8" and 1/4" dia. shaft

#### Dimensional Drawing



## Specifications

### Electrical

**Resistance Range - Linear Taper:** 100 Ohms to 1Meg Ohms

**Resistance Range - CW Audio Taper:** J types

**Resistance Tolerance:** ±10%

**Power Rating:** 1W @ +85°C derated to 0W @ +125°C

**Temperature Coefficient of Resistance:** ±150ppm/°C

**Linearity Tolerance:** ±5% independent

**Contact Resistance variation:** 3% of total resistance

**Insulation Resistance:** 1000 Meg Ohm min, 500VDC

**Dielectric Strength:** 750V RMS min 60Hz

**End Resistance:** 2 Ohms max each end

**Effective Electrical Angle:** 265° ±5°

**Rotation Life:** 25,000 cycles

### Mechanical

**Resistance Element:** Cermet

**Mechanical Rotation:** 295° ±5°

**Starting and Running Torque:** 21.6 to 216gm-cm

**End Stop Torque:** 0.339Nm (48 oz in)

### Environmental

**Operating Temperature:** -55° to +150°C

**Rotation Life:** 2,000,000 shaft revolutions

**Load Life:** 1000 hr.