

Features

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



Specifications

Electrical

Resistance Range – Linear Taper: 100Ω to 2 Meg Ω
– CW Audio Taper: J & KL types

Resistance Tolerance: ±10%

Power Rating: 1 Watt @ 70°C derated to 0 Watts @ 150°C

Temperature Coefficient of Resistance: ±150ppm/°C

Linearity Tolerance: ±5% independent

Contact Resistance Variation: 3% of total resistance

Insulation Resistance: 1000 Meg Ω min, 500VDC

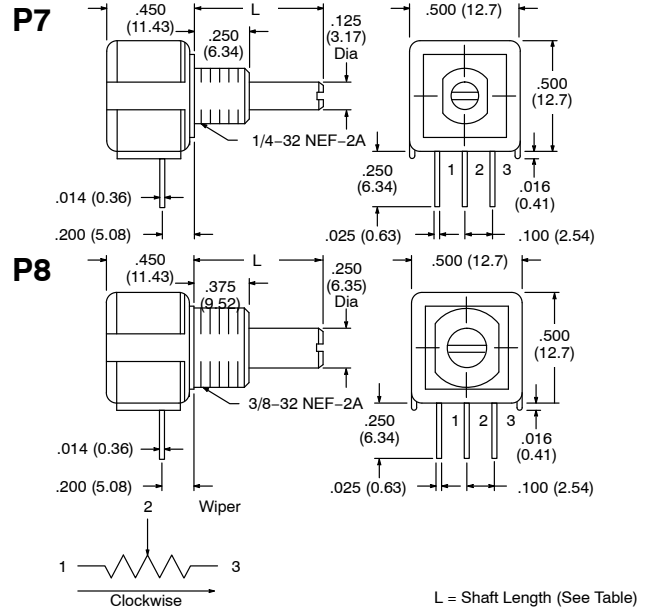
Dielectric Strength: 750V RMS min 60Hz

End Resistance: 4Ω max each end

Effective Electrical Angle: 265° ±5°

Spectrol 149 Series

Potentiometer – Single Turn, 1 Watt, 1/2" square, 1/8" and 1/4" dia. shaft



Old Spectrol Part No.	New Spectrol Part No	NTE Part No.	Taper Type	Value (Ohms)	Shaft Length	Diag No.
149-8-08-101		502-0002	Linear	100	3/4"	P7
149-9-10-101		502-0021	Linear	100	7/8"	P8
149-8-08-201		502-0003	Linear	200	3/4"	P7
149-9-10-201		502-0022	Linear	200	7/8"	P8
149-8-08-251	14910AABHSX10251KA	502-0004	Linear	250	3/4"	P7
149-9-10-251	14910FAGJSX10251KA	502-0023	Linear	250	7/8"	P8
149-8-08-501	14910AABHSX10501KA	502-0005	Linear	500	3/4"	P7
149-9-10-501		502-0024	Linear	500	7/8"	P8
149-8-08-102	14910AABHSX10102KA	502-0006	Linear	1K	3/4"	P7
149-9-10-102	14910FAGJSX10102KA	502-0025	Linear	1K	7/8"	P8
149-J-9-10-102		502-0045	Logarithmic	1K	7/8"	P8
149-8-08-252	14910AABHSX10252KA	502-0007	Linear	2.5K	3/4"	P7
149-9-10-252	14910FAGJSX10252KA	502-0026	Linear	2.5K	7/8"	P8
149-8-08-502	14910AABHSX10502KA	502-0008	Linear	5K	3/4"	P7
149-9-10-502	14910FAGJSX10502KA	502-0027	Linear	5K	7/8"	P8
149-J-9-10-502		502-0047	Logarithmic	5K	7/8"	P8
149-8-08-103	14910AABHSX10103KA	502-0009	Linear	10K	3/4"	P7
149-9-10-103	14910FAGJSX10103KA	502-0028	Linear	10K	7/8"	P8
149-J-9-10-103		502-0048	Logarithmic	10K	7/8"	P8
149-8-08-253	14910AABHSX10253KA	502-0010	Linear	25K	3/4"	P7
149-9-10-253	14910FAGJSX10253KA	502-0029	Linear	25K	7/8"	P8
149-J-9-10-253		502-0049	Logarithmic	25K	7/8"	P8
149-8-08-503	14910AABHSX10503KA	502-0011	Linear	50K	3/4"	P7
149-9-10-503	14910FAGJSX10503KA	502-0030	Linear	50K	7/8"	P8
149-J-9-10-503		502-0050	Logarithmic	50K	7/8"	P8
149-8-08-104	14910AABHSX10104KA	502-0012	Linear	100K	3/4"	P7
149-9-10-104	14910FAGJSX10104KA	502-0031	Linear	100K	7/8"	P8
149-J-9-10-104		502-0051	Logarithmic	100K	7/8"	P8
149-8-08-254		502-0013	Linear	250K	3/4"	P7
149-9-10-254		502-0032	Linear	250K	7/8"	P8
149-8-08-504		502-0014	Linear	500K	3/4"	P7
149-9-10-504		502-0033	Linear	500K	7/8"	P8
149-8-08-105	14910AABHSX10105KA	502-0015	Linear	1M	3/4"	P7
149-9-10-105	14910FAGJSX10105KA	502-0034	Linear	1M	7/8"	P8
149-8-08-205		502-0016	Linear	2M	3/4"	P7
149-9-10-205		502-0035	Linear	2M	7/8"	P8

Mechanical

Resistance Element: Cermet

Mechanical Rotation: 300° ±5°

Starting and Running Torque: 21.6 to 216gm-cm

End Stop Torque: 0.339Nm (48oz in)

Environmental

Operating Temperature: -40°C to +150°C

Storage Temperature: -55°C to +150°C

Rotation Life: 25,000 cycles

Load Life: 1000 hr.