

Multi Turn Potentiometers - continued

2 Watt, 10 Turn – 3590S Series - continued

Power rating @ 40°C	2W	Electrical rotation	(3600° + 10° -10°)
Voltage rating	450V ac (or limited by power dissipation whichever <)	Mechanical rotation	(3600° + 10° -0°)
Resistance tolerance	±5%	Linearity	±0.25%
Temperature coefficient	50ppm/°C max	Terminal resistance	0.1% or 1Ω whichever >
		Dielectric strength (sea level)	1500V ac
		Operating temperature	-55°C to +125 °C

Stocked in the following OHMIC Values:

Rotational life (no load) 1 million revolutions

Ohmic Value	Resolution	Order Code	Ohmic Value	Resolution	Order Code	Ohmic Value	Resolution	Order Code
500R	0.033%	935-5596	20K	0.019%	935-5588	50K	0.013%	935-5618
5K	0.025%	935-5600						

Mfrs. List No. 3590S + Value

207416

		Price Each				
Order Code	1+	10+	25+	50+	+	+
Values 200R to 20K	876.00	829.00	761.00	559.00	--	--
Value 50K	1,059.00	1,003.00	922.00	675.00	--	--

3 Watt, 10 Turn – 3540S Series



L = 19.0 (body), 20.6 (spindle, inc bush)
Dia = 22.2 (body), 6.35 (spindle)
Mounting bush = 3/8" x 32 UNEF

Power rating @ 40°C	3W (2W @ 70°C)	Electrical rotation	(3600° + 10° -0°)
Voltage rating	447V ac (or limited by power dissipation whichever <)	Mechanical rotation	(3600° + 10° -0°)
Resistance tolerance	±5%	Linearity	±0.25%
Temperature coefficient	±50ppm/°Cmax	Terminal resistance	1Ror 1Ω whichever >
		Dielectric strength (sea level)	1000V ac
		Operating temperature	-55°C to +125°C

Rotational life (no load) 1 million revolutions

Stocked in the following OHMIC Values:

Ohmic Value	Resolution	Order Code	Ohmic Value	Resolution	Order Code	Ohmic Value	Resolution	Order Code
100R	0.055%	935-5529	500R	0.031%	935-5561	5K	0.021%	935-5570
200R	0.042%	935-5553	1K	0.027%	935-5537	100K	0.008%	935-5545

Mfrs. List No. 3540S + Value

207401

		Price Each				
Order Code	1+	10+	25+	50+	+	+
Values 100R to 20K	1,184.00	1,109.00	1,019.00	746.00	--	--
Value 100K	1,480.00	1,385.00	1,273.00	932.00	--	--

2 Watt, 10 Turn – 534-Blue Series



Metric



Imperial

- 10 turn precision wirewound potentiometers
- Glass filled thermoplastic housing
- Gold plated terminals

L = 19.1, (body), 20.6 (spindle, inc bush)
Dia = 22.2, (body) 6.0 or 6.35 (spindle)
Mounting bush = 3/8" x 32 UNEF imperial
M9 x 0.75 metric

Power rating @ 70°C	2W	Linearity	±0.2%
Resistance tolerance	±5%	Terminal resistance	1Ω
Effective rotation	3600°(+10%)	Dielectric strength	1000V ac
Mechanical rotation	3600°(+10%)	Operating temperature	-55°C to +125°C
Temperature coefficient	±20ppm/°C		

Stocked in the following OHMIC Values:

Imperial – 1/4" dia. shaft

Ohmic value	Resolution	Order Code	Ohmic value	Resolution	Order Code
100R	0.06%	114-4784	5K	0.02%	114-4793
200R	0.04%	114-4787	10K	0.02%	114-4786
500R	0.03%	114-4792	20K	0.02%	114-4791
1K	0.03%	114-4785	50K	0.01%	114-4794
2K	0.02%	114-4788	100K	0.01%	114-4795

Metric – 6mm dia. shaft

Ohmic value	Resolution	Order Code	Ohmic value	Resolution	Order Code
100R	0.06%	114-4796	5K	0.02%	114-4803
200R	0.04%	114-4799	10K	0.02%	114-4798
500R	0.03%	114-4802	20K	0.02%	114-4801
1K	0.03%	114-4797	50K	0.01%	114-4804
2K	0.02%	114-4800	100K	0.01%	114-4805

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		Price Each				
Order Code	1+	5+	10+	25+	+	
Imperial – 1/4" dia. shaft						
Values 100R to 20K	661.00	652.00	600.00	553.00	--	
Value 50K	707.00	663.00	621.00	578.00	--	
Value 100K	948.00	910.00	876.00	760.00	--	
Metric – 6mm dia. shaft						
Values 100R to 20K	709.00	691.00	634.00	589.00	--	
Value 50K	848.00	836.00	780.00	705.00	--	
Value 100K	1,014.00	985.00	858.00	802.00	--	

8 Watt, 10 Turn – 860 Series



- 10 turn wirewound potentiometer
- Moulded glass filled thermoplastic case
- Stainless steel non-magnetic shaft

L=50.8 (body), 20.62 (spindle inc bush)
Dia.=46.02 (body), 6.34 (spindle)
Mounting Bush= 3/8" x 32 UNEF-2A

Power rating	8W @ 40°C ambient derated linearly to zero @ 125°C	Dielectric strength	1000 Volts RMS @ 60 Hz
Temperature range	-55°C to +125°C	Rotational life	500000 shaft revolutions
Tolerance	±3%	Mechanical rotation	3600°+ 4°C -0°C

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		Price Each			
Value	Order Code	1+	5+	10+	20+
100R	157-685▲	3,935.00	4,074.00	3,929.00	3,700.00
500R	157-697▲	3,385.00	3,260.00	3,144.00	3,108.00
1K	157-703▲	4,097.00	3,945.00	3,805.00	3,493.00
2K	157-715▲	3,385.00	3,260.00	3,144.00	3,093.00
5K	157-727▲	3,385.00	3,260.00	3,144.00	3,115.00
10K	157-739▲	4,097.00	3,945.00	3,805.00	3,493.00
50K	157-740▲	4,097.00	3,945.00	3,805.00	3,493.00
100K	157-752▲	9,051.00	--	--	--

AR Series

10 Turn Wirewound – Precision Potentiometer



- Precision wirewound Potentiometer
- 3 gangs (max)
- Resistance range from 10 ohms to 500K Ohms
- Wide range of standard values
- Rotational Load: Life 2 mil. shaft rev. + 900 hrs. at rated wattage at 40°C



Power Rating	5W
Resistance Tolerance (min)	±1%
Dielectric Strength	1000V rms
Temperature range	-65°C to 85°C (Static) -40°C to 85°C (Dynamic)

Resistance (Ω)	Mfrs. List No.	Order Code	Resistance (Ω)	Mfrs. List No.	Order Code
500R	AR500L.25LF	943-1810	50kR	AR50KL.25LF	943-1888
1kR	AR1KL.25LF	943-1837	100kR	AR100KL.25LF	943-1896
2kR	AR2KL.25LF	943-1845	200kR	AR200KL.25LF	943-1900
5kR	AR5KL.25LF	943-1853	300kR	AR300KL.25LF	943-1918
10kR	AR10KL.25LF	943-1861	500kR	AR500KL.25LF	943-1926
20kR	AR20KL.25LF	943-1870			

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		Price Each			
Order Code	1+	5+	10+	25+	+
All Values	3,596.00	3,242.00	2,877.00	2,696.00	--