Model 5710 Series

Features:

- 3" diameter
- Wirewound





Model Styles

5711	1/4" Shaft, 1/2" Bushing
5713	1/4" Shaft, Servo

Electrical

Resistance Range, Ohms	25 to 145K
Standard Resistance Tolerance	±5%
Minimum Practical Resistance Tolerance	±1%
Independent Linearity	±0.5%
Minimum Practical Independent Linearity	±0.5%, <75 Ohms
	±0.25%, 75-249 Ohms
	±0.15%, 250-6,999 Ohms
	±0.075%, ≥7K Ohms
Power Rating, Watts	5.0 at 40°C derating to 0 at 105°C
Dielectric Strength	1,000V rms
Insulation Resistance, Minimum	1,000 Megohms
Noise, Maximum	100 Ohms
Actual Electrical Travel	358° ±1°
Tap Tolerance	±1°
End Voltage, Maximum	Within Std. Linearity Tolerance

Environmental

Operating Temperature Range	Static: -65°C to +105°C
	Dynamic: -40°C to +125°C
Temperature Cycling	5 cycles, -65°C to +105°C
Shock, 6ms Half Sine	100G's
Vibration	5G's, 10 to 500 Hz
Moisture	Ten 24 hour cycles
High Temperature Exposure	1,000 hours at 105°C
Rotational Life	1 Mil. Shaft Rev.
Rotational Load Life	1 mil. shaft rev. plus 900 hrs. at rated wattage at 40°C

General Note

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Model 5710 Series



Mechanical

Total Mechanical Travel	360° Continuous	
Number of Cups, Maximum		4
Weight, Nominal	5.8 oz. Single Cup	
	1.3 oz. Each Added Cup	
Backlash, Maximum		1°
Shaft End Play, Maximum		.005"
	5711	5713
Shaft Runout, T.I.R., Maximum	.0005"	.001"
Pilot Diameter Runout, T.I.R., Maximum	.002"	.0015"
Lateral Runout, T.I.R., Maximum	.004"	.101"
Shaft Radial Play, Maximum	.004"	.002"
Starting Torque, Maximum	1.5 ozin.	1.3 ozin.
Running Torque, Maximum	1.2 ozin.	0.7 ozin.

Standard Resistance Values, Ohms

	Theoretical	
Total	Resolution	Tempco
Resistance	(% Nominal)	of Wire
1K	0.062	±130 ppm/°C
2K	0.050	±130 ppm/°C
5K	0.038	±130 ppm/°C
10K	0.031	±130 ppm/°C
20K	0.027	±130 ppm/°C
50K	0.024	± 20 ppm/°C
100K	0.022	± 20 ppm/°C
CONVERSIONS		
	05.4	

1 in.	25.4 mm	1 ozin.	0,007 N-m
1 oz.	28.4 gm	1 lbin.	0,113 N-m

Special Features

CT
LT
RS
FS
SS
AF

General Note

MET

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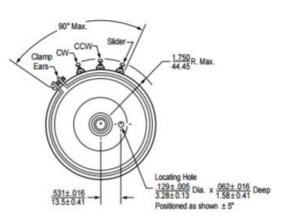
Model 5710 Series

Model 5711 - Bushing Mount

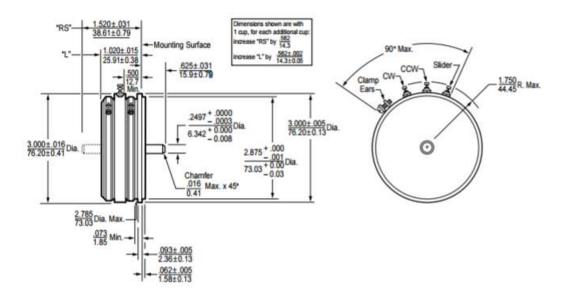


Dimensions shown are with 1 cup, for each additional cu grease "RS" by 562 1.482±.031 37.64±0.79 "RS" se 'L' by 562±002 Mounting Surface ٩.1 24.9±0.5 .469 Min. - 8 2497 + .0000 2497 - 0003 6.342 + 0.000 - 0.008 1.500±.031 38.10±0.79 1.375±.016 34.93±0.41 Dia 3.000±.016 76.20±0.41 Dia. <u>.5937</u> <u>+ .0000</u> <u>- 0020</u> 15.08 <u>+ 0.000</u> - 0.051 Dia. Chamfer .016 Max. x 45 .062 + .000 - .010 1.58 + 0.00 - 0.25 1/2-32 NS Thread 500±.016 12.7±0.41





Model 5713 - Servo Mount



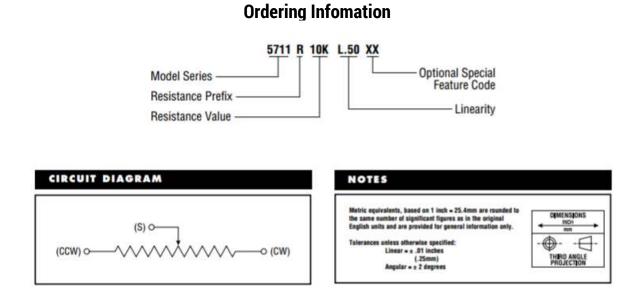
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Model 5710 Series





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