



**WIRE WOUND  
SERVO MOUNT  
POTENTIOMETER**



<u>ELECTRICAL CHARACTERISTICS</u>	<u>UNITS</u>	<u>VALUE</u>
Resistance Element.....	--	Wire Wound
Resistance value	Ohms	100, 500, 1k,2k,5k,10k.
Standard Resistance Tolerances.....	%	±10
Best Possible Resistance Tolerances.....	%	±5
Standard Independent Linearity Tolerances..(IEC 393)..	%	±0.2
Electrical angle.....(Smaller angles optional)	Degrees	355° ± 3°
Resolution.....	--	As per turns
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	± 50 Up to 1k ohms 150 for other values.
Power Rating @ 70° C.....	Watts	3
Insulation Resistance @ 500 Vdc.....	M Ohms	1000
Dielectric Strength @ 50 Hz.....	V ac	500
Maximum Wiper current.....	mAmps	1
Short time wiper current 10 sec.	mAmps	10
End Resistance	Ohms	<50

<b>MECHANICAL CHARACTERISTICS :-</b>		
Rotation (Mechanical Angle). .....continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing
Torque... Starting.....	Nmm (Oz inch)	3 (0.42)
Torque... Running.....	Nmm (Oz inch)	2 (0.28)
Axial Play	m.m.(inch)	0.1 (0.00393)
Radial Play	m.m.(inch)	0.1 (0.00393)
<b>ENVIRONMENTAL CHARACTERISTICS :-</b>		
Operating Temperature.....	Degrees C	-50 to +105
<b>PERFORMANCE :-</b>		
Rotational Life (shaft Revolutions).....	Nos.	2,000,000
<b>MATERIALS OF CONSTRUCTION:-</b>		
Housing.....	--	Aluminum Anodized
Shaft.....	--	Stainless Steel
Terminals.....	--	Brass gold plated stud type terminal
<b>Soldering Recommendation :- Use soldering Iron at 350° C for 3 second maximum</b>		

Dimensions :- Metric (Inch)

