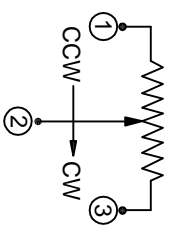


Dimensions :- Metric (Inch)



Electrical Schematic Diagram

SERVO POTENTIOMETER CONDUCTIVE PLASTIC

40CP

CUSTOMER DRAWING REF NO

Customer : STANDARD

REV - 00

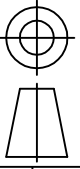
SHEET 1 of 1

First Issue : 2006/01/30

Scale:- 1:1

Tolerances
DIN-ISO 2768-1 (1993-06)
(Tolerance class-medium)

UAPL PART NO
129502



Uni-Automation (I) Pvt Ltd
Te / Fax:+91-(020) - 24440890
www.uniautomation.com

- Features:-**
1. Conductive plastic long life resistance element.
 2. Anodized Aluminium precision machined body.
 3. Special smaller electrical angles..... available option.
 4. Precious metal high technology wiper gives noise free output.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element.....	--	Conductive Plastic
Resistance value	Ohms	1k, 2k, 5k, 10k
Standard Resistance Tolerances.....	%	±20
Standard Independent Linearity Tolerances. (IEC 393)..	%	±0.5
Electrical angle...	Degrees	35° ± 3°
Resolution.....	--	Essentially Infinite
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	±400
Power Rating @ 70° C.....	Watts	2
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 Voltage % of Applied voltage	%	0.5

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle).....continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing
Torque... Starting.....	Nmm (Oz Inch)	5 (0.1968)
Torque... Running.....	Nmm (Oz Inch)	4 (0.1574)
Axial Play	m.m.(inch)	0.1 (0.00393)
Radial Play	m.m.(inch)	0.1 (0.00393)

ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature.....	Degrees C	-40 to +105
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PERFORMANCE :-

Rotational Life (shaft Revolutions).....	Nos.	5,000,000
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MATERIALS OF CONSTRUCTION:-

Housing.....	--	Aluminium Anodized
Shaft.....	--	Stainless Steel
Terminals.....	--	Brass, Gold plated stud type terminal

Soldering Recommendation :- Use soldering Iron at 350° C for 3 second maximum. Clean the soldered pads with Isopropyl alcohol after soldering. Continuous improvements are being made for enhancing performance for customer benefit in product design & process. The product supplied may be slightly different than described by above specifications