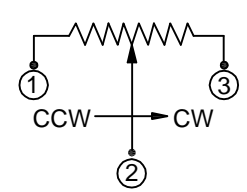
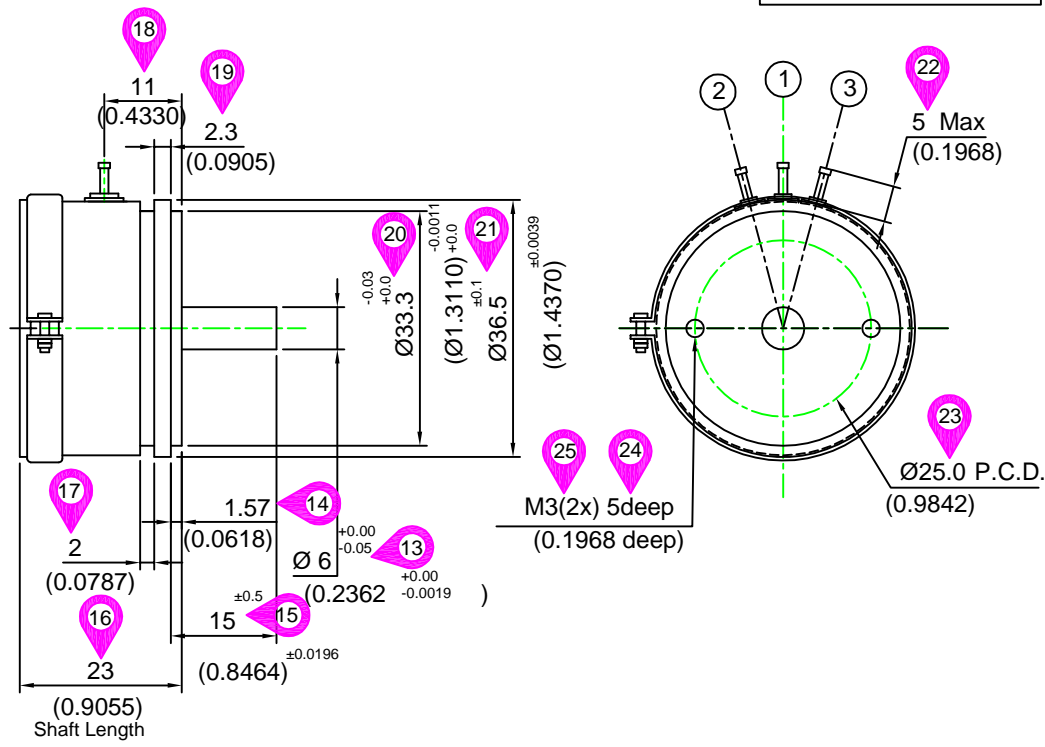


Dimensions :- Metric



Electrical Schematic Diagram

Features:-

1. Anodized Aluminium precision machined body.
2. Precious metal high technology wiper gives noise free output.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element.....	--	Wire Wound
Resistance value	Ohms	100, 500, 1k,2k,5k,10k. 01
Standard Resistance Tolerances.....	%	±10 02
Standard Independent Linearity Tolerances..(IEC 393)..	%	±0.5 03
Electrical angle...	Degrees	355° ± 3° 04
Equivalent Noise Resistances.....	Ohms	<100 05
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	2
Insulation Resistance @ 500 Vdc.....	M Ohms	1000 06
Dielectric Strength @ 50 Hz.....	V ac	500 07
Maximum Wiper current.....	mAmps	1
Short time wiper current 10 sec.	mAmps	10 08
End Resistance	Ohms	<50

MECHANICAL CHARACTERISTICS :- 09		
Rotation (Mechanical Angle).continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing 10
Torque... Starting.....	Nmm (Oz inch)	5 (0.708)
Torque... Running.....	Nmm (Oz inch)	4 (0.5664) 11
Axial Play	m.m.(inch)	0.1 (0.00393) 12
Radial Play	m.m.(inch)	0.1 (0.00393)

ENVIRONMENTAL CHARACTERISTICS :-		
Operating Temperature.....	Degrees C	-40 to +105

PERFORMANCE :-		
Rotational Life (shaft Revolutions).....	Nos.	1,000,000

MATERIALS OF CONSTRUCTION:-		
Housing.....	--	Aluminum 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

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SERVO POTENTIOMETER WIRE WOUND

40WW-501

First Issue : 2006/01/30 Scale:- 1:1

Tolerances
DIN-ISO 2768-1 (1991-06)
(Tolerance class-medium)

UAPL PART NO
129501

CUSTOMER DRAWING REF NO

REV - 00
2007/12/13

CUSTOMER : UAPL STANDARD

SHEET
1of1

