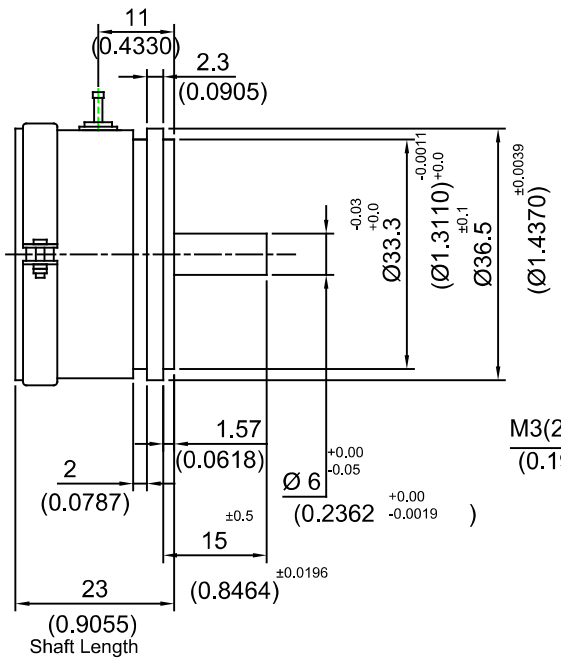
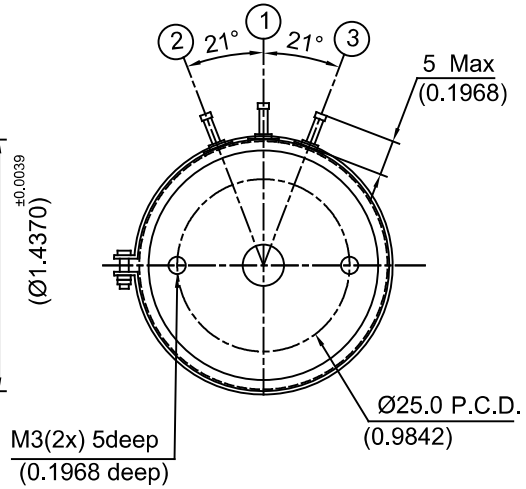
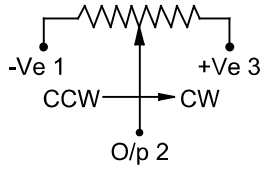
Dimensions :- Metric







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.
Standard Resistance Tolerances...	%	±10
Standard Independent Linearity Tolerances..(IEC 393)...	%	±0.5
Electrical angle...	Degrees	355° ± 3°
Equivalent Noise Resistances...	Ohms	<100
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
Dielectric Strength @ 50 Hz...	V ac	500
Maximum Wiper current...	mAmps	1
Short time wiper current 10 sec. ...	mAmps	10
End Resistance...	Ohms	<50
MECHANICAL CHARACTERISTICS :--		
Rotation (Mechanical Angle) ...continuous	Degrees	360°
Bearing Type...	–	Ball Bearing
Torque... Starting...	Nmm (Oz inch)	5 (0.708)
Torque... Running...	Nmm (Oz inch)	4 (0.5664)
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
PERFORMANCE :--		
Rotational Life (shaft Revolutions)...	Nos.	1,000,000
MATERIALS OF CONSTRUCTION:--		
Housing...	--	WHITE 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

MODEL 40WW (501)

FIRST ISSUE : 07/05/2015 | Scale:- 1:1

Tolerences
DIN-ISO 2768-1 (1991-06)
(TOLERANCE CLASS-MEDIUM)

UAPL PART NO
129501

CUSTOMER DRAWING REF NO
NA

REV - 00

CUSTOMER : UAPL STANDARD

SHEET 1of1