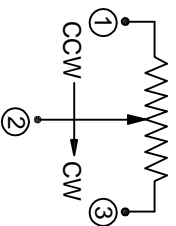
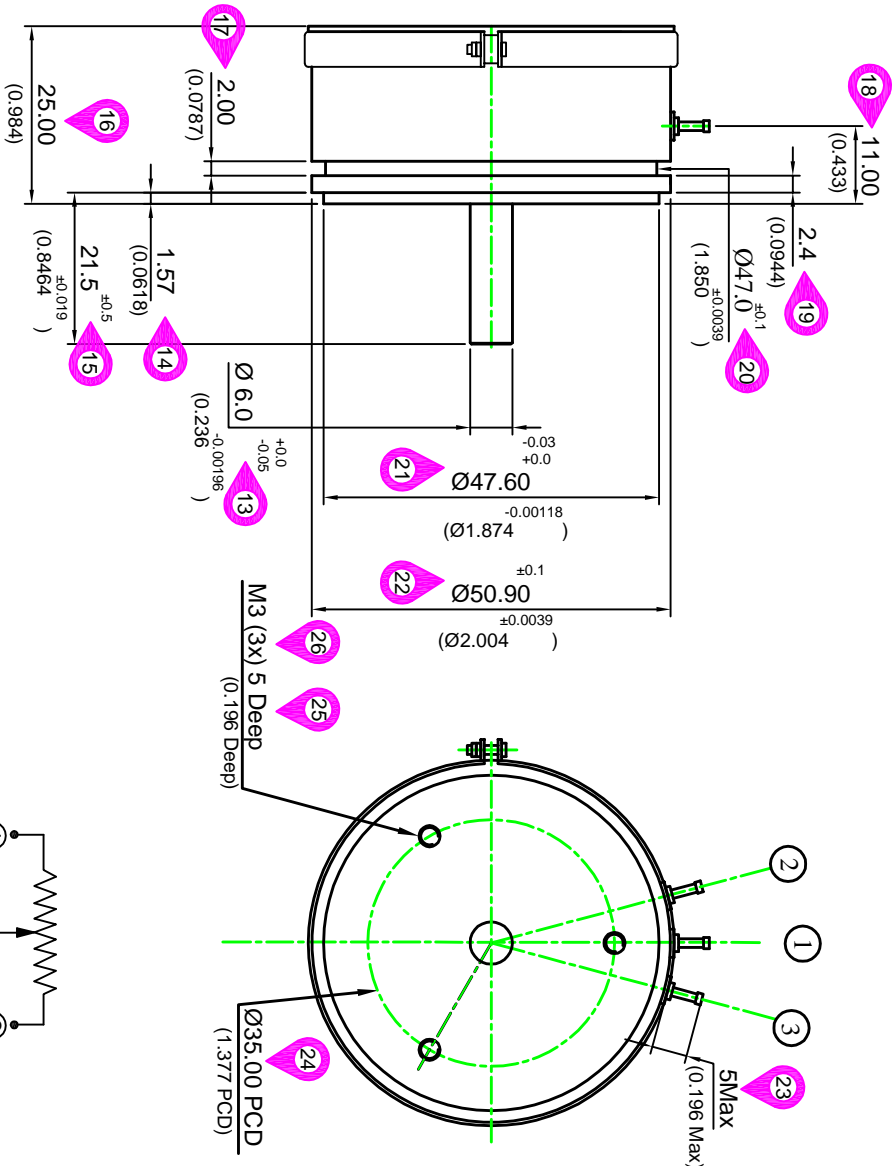


Dimensions :- Metric



Electrical Schematic Diagram

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SERVO POTENTIOMETER WIRE WOUND

50WV

First Issue : 2008/12/12 Scale: - 1:1

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



UAPL PART NO
129601

CUSTOMER DRAWING REF NO
.....

Customer : UAPL STANDARD

REV - 00

SHEET
1 of 1

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	35° ± 3° 04
Resolution.....	--	As per turns
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	± 50 Up to 1k ohms ± 150 for other values.
Equivalent Noise Resistances.....	Ohms	<100 05
Power Rating @ 70° C.....	Watts	3
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
End Resistance	Ohms	<50 08

MECHANICAL CHARACTERISTICS :-

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

ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature.....	Degree C	-40 to +105
PERFORMANCE:-		
Rotational Life (shaft Revolutions).....	Nos.	2,000,000

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 product design & process. The product supplied may be slightly different than described by above specifications