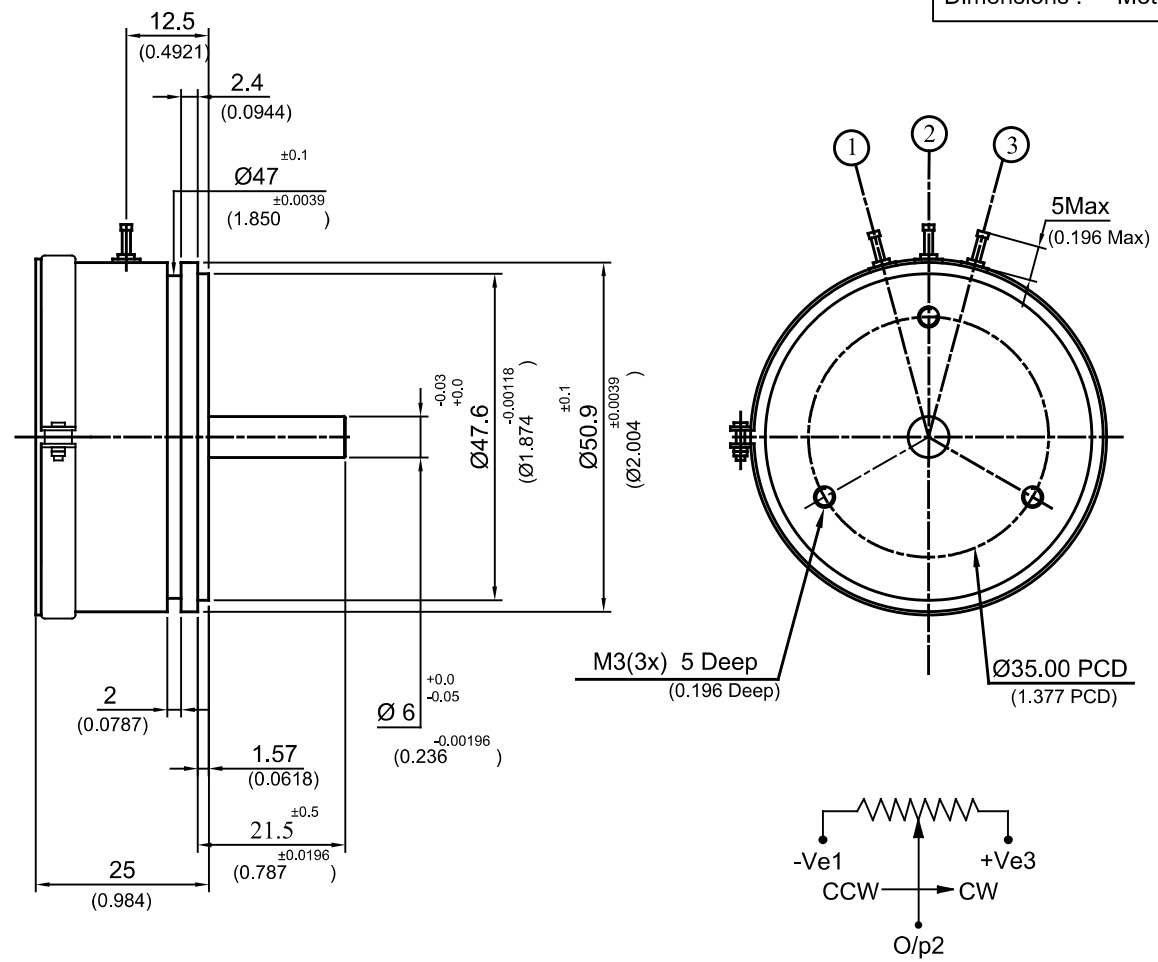


Dimensions :- Metric



Electrical Schematic Diagram

Features:-

1. Conductive plastic long life resistance element.
2. Anodized Aluminium precision machined body.
3. 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	350° ± 3°
Resolution...	--	Essentially Infinite
Temperature Coefficient of Resistance (TCR)...	ppm/deg C	±400
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 Voltage % of Applied voltage.....	%	0.5

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle).....continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing
Torque... Starting.....	Nmm (Oz inch)	5 (0.708)
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.....	--	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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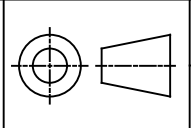
**SERVO POTENTIOMETER
CONDUCTIVE PLASTIC**

MODEL 50CP (602)

First Issue : 2016/05/02 Scale:-1:1

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

UAPL PART NO
129602



CUSTOMER DRAWING REF NO
NA

CUSTOMER : UAPL STANDARD

REV - 01
NEW VERSION
SHEET
1of1