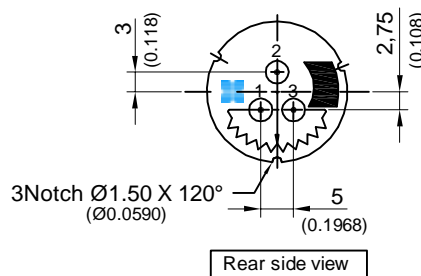
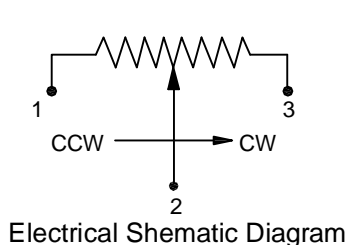
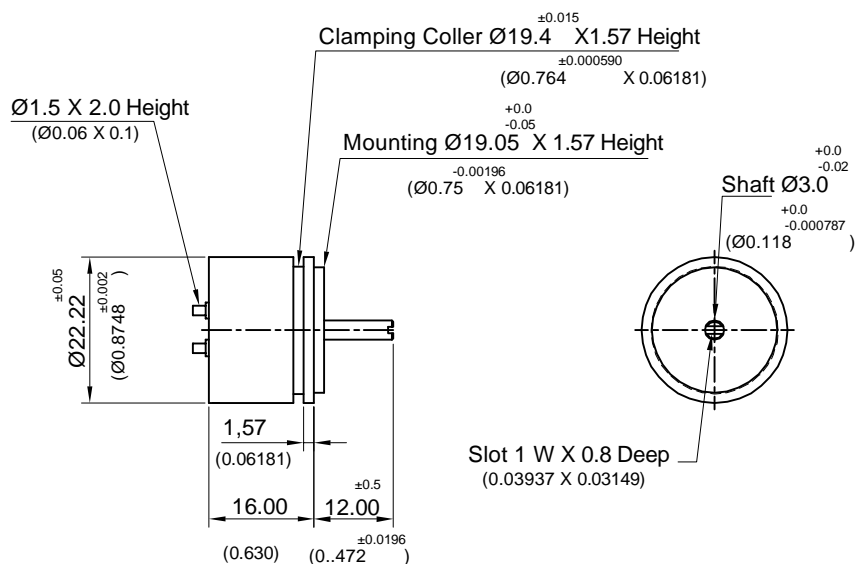


Dimensions :- Metric (Inch)



Features:-

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

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element.....	--	Conductive Plastic
Resistance Range.....	Ohms	1k, 2K, 5K, 10K, (Other value up to 100k)
Standard Resistance Tolerance.....	±%	20
Best Possible Resistance Tolerance	±%	10
Standard Independent Linearity Tolerance...(IEC 393)..	±%	2
Best Possible Linearity Tolerance	±%	0.5
Electrical angle.....(Smaller angles optional)	Degrees	340° ±5°
Resolution.....	--	Essentially infinite
Temperature Coefficient of Resistance(TCR).....	ppm/deg C	±400
Power Rating @ 70°C.....	Watts	1.0
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 as a % of applied voltage	%	< 0.5

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle) continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing
Torque... Starting.....	Nmm. (Ozinch)	5 (0.708)
Torque... Running.....	Nmm. (Ozinch)	3 (0.428)
Axial Play	--	0.1 max.
Radial Play	--	0.1 max.

ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature.....	Degrees C	-50 to +105
ROHS compliancne	--	Yes

PERFORMANCE :-

Rotational Life (shaft Revolutions)....	Nos.	4,000,000 (Typical)
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MATERIALS OF CONSTRUCTION:-

Housing.....	--	Aluminium Anodized
Shaft.....	--	Stainless Steel
Terminals.....	--	Brass gold plated

Soldering Recommendation:- Use soldering Iron at 350° C for 3 second maximum.

* Standard tests have shown the life to be 5,000,000+. Confirmation test are continuing, waiting for consolidation of data.

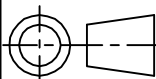


SINGLE TURN CONDUCTIVE PLASTIC POTENTIOMETER

NPS22

First Issue : 2009/02/14 Scale : 1:1

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



CUSTOMER DRAWING REF NO
NA

REV - 00

Customer : UAPL STANDARD

SHEET
1 of 1