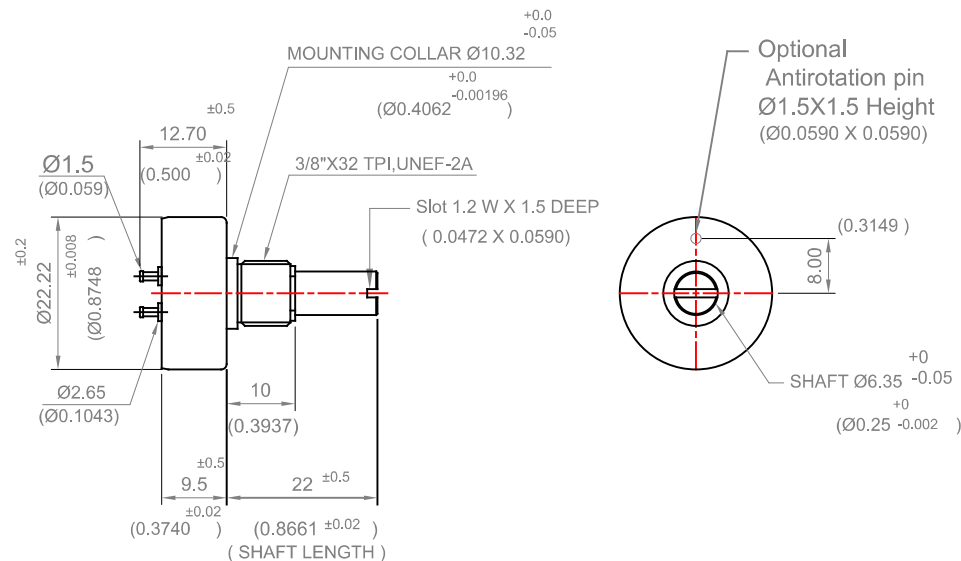
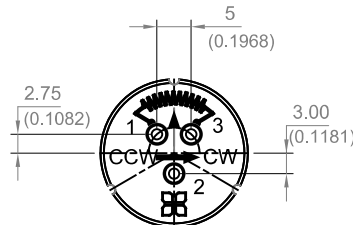


ELECTRICAL SCHEMATIC DIAGRAM



REAR SIDE VIEW

- 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)
Resistance Tolerance...	±%	20
Best Possible Resi.Tolerance...	±%	10
Standard Independent Linearity Tolerance...(IEC 393)...	±%	2.0
Best possible Independent Linearity Tolerance...(IEC 393)...	±%	0.5
Electrical angle...(Smaller angles optional)	Degrees	340° ±5°
Resistance taps(Current / voltage type - optional)	—	Min.4° wide for Current tap
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...	%	Less than 0.5

MECHANICAL CHARACTERISTICS :--

Rotation (Mechanical Angle) Continuous...	Degrees	360°
Bearing Type...	—	Sleeve
Torque... Starting...	Nmm Oz inch	5 (0.708)
Torque... Running...	Nmm Oz inch	4 (0.566)
Spanner size of nut	m.m	14.00 m.m.
Nut tightening Torque...	N.m.	0.8 N.m.
Axial play...	m.m.(Inch)	0.2 (0.00787) max
Radial play...	m.m.(Inch)	0.2 (0.00787) max

ENVIRONMENTAL CHARACTERISTICS :--

Operating Temperature...	Degrees C	-40 to +105
ROHS compliance...	—	Yes

PERFORMANCE :--

Rotational Life (shaft Revolutions).....	Nos.	5,000,000
--	------	-----------

MATERIALS OF CONSTRUCTION:--

Housing...	—	Aluminium with black Anodized
Shaft...	—	Stainless Steel
Terminals...	—	Brass, gold plated
Mounting Hardware ...	—	LOCK WASHER-STEEL + NUT-BRASS, A/F 12.6 X 2.5 MM,BOTH NICKEL PLATED

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

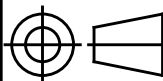
UNI-AUTOMATION (I) PVT LTD
TEL/FAX:+91-(020)-24420890
www.uniautomation.com

FIRST ISSUE :2010/14/07

SCALE:-1:1

TOLERANCES
DIN-ISO 2768-1 (1991-96)
(TOLERANCE CLASS-MEDIUM)

UAPL PART NO
129325



CUSTOMER DRAWING REF NO
NA

CUSTOMER :-UAPL STANDARD

REV - 01
DATE:-140915

SHEET
1 of 1

CONDUCTIVE PLASTIC POTENTIOMETER

MODEL NP22 (325)