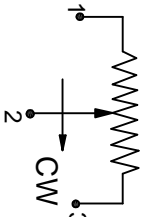
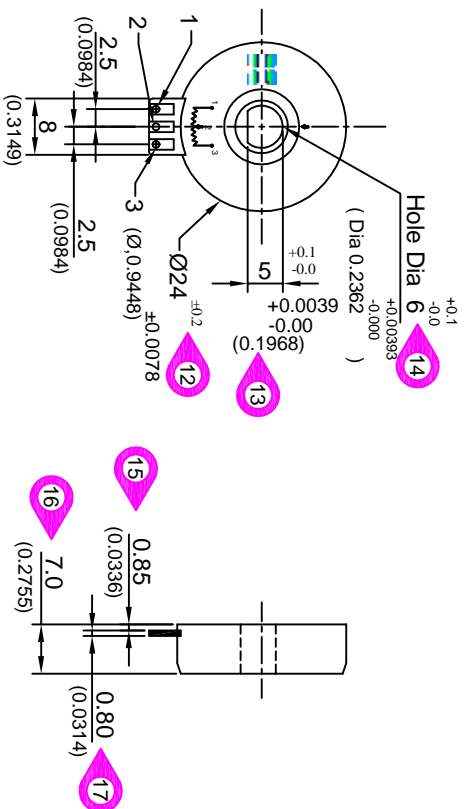
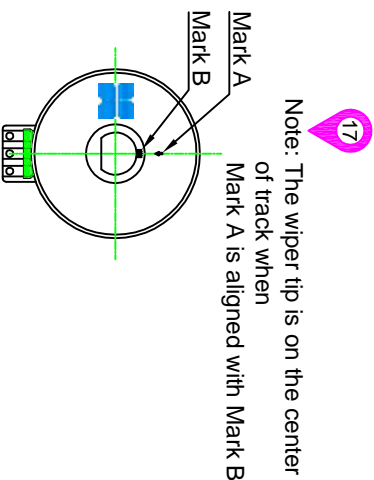


Dimensions :- Metric(Inch)



Electrical Schematic Diagram



Rear side view

**Features:-** 1. Conductive plastic long life resistance element.  
2. High quality engineering plastic sturdy low profile body.  
3. Precious metal high technology wiper gives noise free output.  
4. Easy mounting directly on shaft no coupling required.  
5. 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 (Standard).....	±%	20 <b>02</b>
Standard Independent Linearity Tolerance... (IEC 393) ..	±%	2.0 <b>03</b>
Electrical angle.....(Smaller angles optional)	Degrees	340° ±5° <b>04</b>
Resolution.....	**	Essentially infinite
Temperature Coefficient of Resistance(TCR).....	ppm/deg C	±400
Power Rating @ 70°C.....	Watts	0.5 <b>05</b>
Insulation Resistance @ 500 Vdc.....	M Ohms	500 <b>06</b>
Dielectric Strength @ 50 Hz.....	V ac	500
Maximum Wiper current.....	mAmps	1
End voltage as a % of applied voltage	mAmps	10
	%	Less than 0.5 <b>07</b>

**MECHANICAL CHARACTERISTICS :-**

Rotation (Mechanical Angle) continuous	Degrees	360° <b>08</b>
Bearing Type.....	-----	Sleeve
Torque... Operating.....	Nmm Oz inch	7 (0.991) <b>09</b>
Torque... Running.....	Nmm Oz inch	5 (0.708)
Axial play	m.m.(Inch)	0.2 (0.00787) max <b>10</b>
Radial play	m.m.(Inch)	0.2 (0.00787) max <b>11</b>

**ENVIRONMENTAL CHARACTERISTICS :-**

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

**PERFORMANCE :-**

Rotational Life (shaft Revolutions).....	Nos.	5,000,000
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**MATERIALS OF CONSTRUCTION:-**

Housing.....	**	Engineering Plastic
Shaft (Hollow).....	**	Engineering Plastic
Bushing.....	**	Brass on one end Engineering Plastic
Mounting Omniumount Universal Available	**	Engineering Plastic

**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

<b>Uni-Automation (I) Pvt Ltd</b> Tel/Fax:+91-(020)-24420890 www.uniautomation.com		<b>CONDUCTIVE PLASTIC HOLLOW SHAFT POTENTIOMETER</b> ( WITHOUT OMNIMOUNT ) <b>NP24HS-318</b>	
First Issue : 2008/12/16 Scale:- 1:1 Tolerances DIN-ISO 2768-1 (1991-08) (Tolerance class-medium)	Scale:- 1:1 UAPL PART NO <b>129318</b>	CUSTOMER DRAWING REF NO NA Customer : UAPL STANDARD	REV - 00 SHEET 1of1