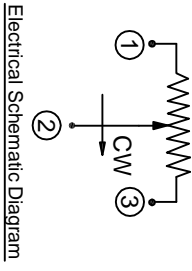
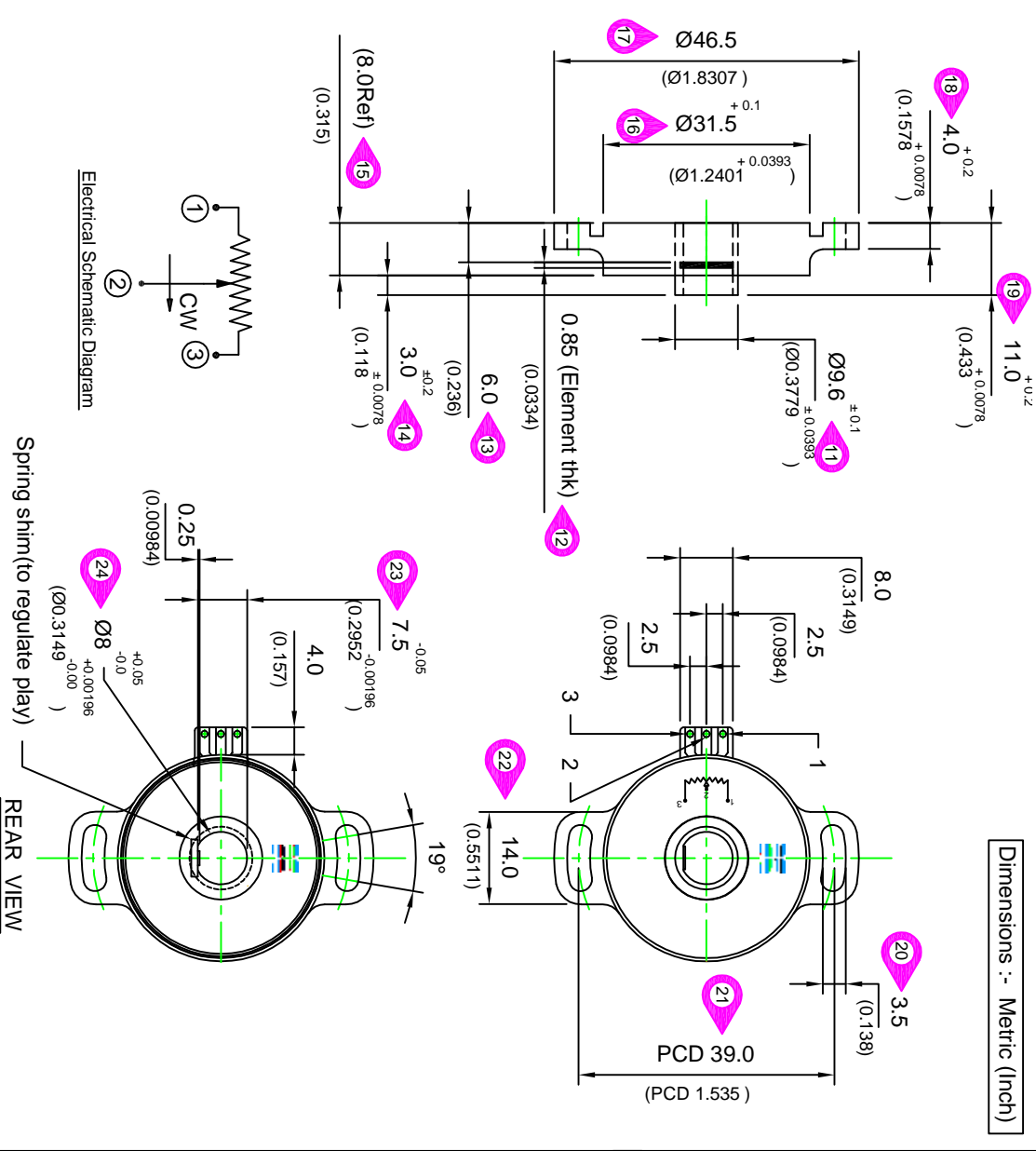


Dimensions :- Metric (Inch)



Spring shim (to regulate play)

Uni-Automation (I) Pvt Ltd
 Tel / Fax: +91 - (020) - 24420890
 www.uniautomation.com

**CONDUCTIVE PLASTIC
 HOLLOW SHAFT POTENTIOMETER**

NP32HS

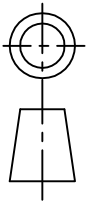
First Issue : 2008/12/30

Scale - 1:1

Tolerances

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

UAPL PART NO
129292



CUSTOMER DRAWING REF NO

 Customer : UAPL STANDARD

Rev - 00
 SHEET
 1 of 1

- Features:-
1. Easy mounting directly on shaft no coupling required
 2. Conductive plastic long life resistance element.
 3. High quality engineering plastic sturdy low profile body.
 4. Precious metal high technology wiper gives noise free output.
 5. Special design of spring shim eliminates hysteresis.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element.....	--	Conductive Plastic
Resistance value	Ohms	1K,2K,5K,10K (Other value up to 100K)
Resistance Tolerance.....	±%	20
stander Independent Linearity Tolerance...(IEC 393)...	±%	2.0
Electrical Angle...	Degrees	340 ± 5
Resolution.....	--	Essentially infinite
Temperature Coefficient of Resistance(TCR).....	ppm/deg C	±400
Power Rating @ 70° C.....	Watts	2.0
Insulation Resistance @ 500 Vdc...	M Ohms	500
Dielectric Strength @ 50 Hz.....	V ac	500
Maximum Wiper current.....	mAmps	1.0
Short time wiper current 10 sec.	mAmps	10
End Voltage as a percentage of Applied Voltage.....	%	< 0.5

MECHANICAL CHARACTERISTICS :-	Degrees	Value
Rotation (Mechanical Angle).	Degrees	360°
Bearing Type.....	--	Sleeve
Torque... Starting.....	Nmm(Oz in)	10 (1.41)
Torque... Running.....	Nmm(Oz in)	7(1)
Axial Play & Radial Play	M.M.(Inch)	0.2 (0.00787) max

ENVIRONMENTAL CHARACTERISTICS :-
 Operating Temperature..... Degrees C -40 to +105

PERFORMANCE :-
 Rotational Life (Shaft Revolutions). Nos. 5,000,000

MATERIALS OF CONSTRUCTION:-

Part	Material
Housing.....	Engg. Plastic
Shaft.....	Engg. Plastic
Terminals.....	--
Mounting Hardware.....	--
Bushing.....	Brass on one end

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