

Electrical Schematic Diagram

- 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.

ELECTRICAL CHARACTERISTICS :-	UNITS	VALUE
Resistance Element...	--	Conductive Plastic
Resistance Range...	Ohms	1K,2K,5k,10K other value upto 100K
Resistance Tolerance (Standard)...	±%	20
Standard Independent Linearity Tolerance...(IEC 393)...	±%	2.0
Electrical angle...	Degrees	320° ±5°(Smaller angles optional)
Resolution...	--	Essentially infinite
Temperature Coefficient of Resistance(TCR)...	ppm/deg C	±400
Power Rating @ 70°C...	Watts	0.5
Insulation Resistance @ 500 Vdc...	M Ohms	500
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... Operating...	Nmm Oz inch	7 (0.991)
Torque... Running...	Nmm Oz inch	5 (0.708)
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.	2,000,000

MATERIALS OF CONSTRUCTION:-		
Housing...	--	Engineering Plastic
Shaft (Hollow)...	--	Engineering Plastic
Bushing...	--	Brass on one end
Mounting Omnimount 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

Uni-Automation (I) Pvt Ltd  
Tel/Fax:+91-20-24420890  
www.uniautomation.com

## CONDUCTIVE PLASTIC HOLLOW SHAFT POTENTIOMETER

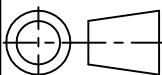
### MODEL NP15HS (896)

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SCALE:- 2:1

TOLERANCES  
DIN-ISO 2768-1 (1991-06)  
(TOLERANCE CLASS-MEDIUM)

**UAPL PART NO**  
**129896**



CUSTOMER DRAWING REF NO  
NA

REV - 00

CUSTOMER : UAPL STANDARD

SHEET  
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