

- 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
standard 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 :-**

Rotation (Mechanical Angle).	Degrees	360°
Bearing Type.....	--	Sleeve
Torque... Starting.....	Nmm(Oz in)	10 (1.41)
Torque... Runing.....	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
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**PERFORMANCE :-**

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

Housing.....	--	Engg. Plastic
Shaft.....	--	Engg. Plastic
Terminals.....	--	Pads on PCB, Gold Plated PTH
Mounting Hardware.....	--	Not provided The Spring shim provided to eliminate mounting play
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

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**CONDUCTIVE PLASTIC  
HOLLOW SHAFT POTENTIOMETER**

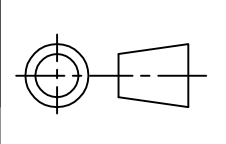
**NP32HS-292**

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SCALE - 1:1

TOLERANCES  
DIN/ISO 2768-1 (1991-08)  
(TOLERANCE CLASS-MEDIUM)

**UAPL PART NO  
129292**



CUSTOMER DRAWING REF NO  
NA

CUSTOMER : UAPL STANDARD

Rev - 00

SHEET  
1 of 1