



- Features:-**
1. Conductive plastic long life resistance element.
  2. Anodized Aluminium precision machined 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 up to 100k)
Standard Resistance Tolerance.....	±%	20
Standard Independent Linearity Tolerance..(IEC 393)..	±%	2
Electrical angle.....	Degrees	340° ±5°
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	%	< 0.5

MECHANICAL CHARACTERISTICS :-		
Rotation (Mechanical Angle) continuous	Degrees	360°
Bearing Type.....	--	Ball Bearing
Torque... Starting.....	Nmm. (Ozinch)	5 (0.709)
Torque... Running.....	Nmm. (Ozinch)	3 (0.428)
Axial Play	--	0.1 max.
Radial Play	--	0.1 max.

ENVIRONMENTAL CHARACTERISTICS :-		
Operating Temperature.....	Degrees C	-50 to +105
ROHS compliance	--	Yes

PERFORMANCE :-		
Rotational Life (Shaft Revolutions).....	Nos.	4,000,000 (Typical)

MATERIALS OF CONSTRUCTION:-		
Housing.....	--	Aluminium Anodized
Shaft.....	--	Stainless Steel
Terminals.....	--	Brass gold plated
Mounting Hardware .....	--	Not Applicable

**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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**SINGLE TURN CONDUCTIVE PLASTIC POTENTIOMETER**  
**NPS22**

First Issue : 2009/02/14 Scale : 1:1

Tolerances  
DIN/ISO 2768-1 (1991-09)  
(Tolerance class-medium)

UAPL PART NO. **129332**

CUSTOMER DRAWING REF NO. NA

Customer : UAPL STANDARD

REV - 00

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