

Dimensions :- Metric (Inch)

- 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 smaller electrical angles..... available option.
  6. 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
Best possible Resistance Tolerance.....	±%	10
standard Independent Linearity Tolerance...(IEC 393)...	±%	2.0
Best possible independent Linearity Tolerance...(IEC 393)...	±%	0.5
Electrical Angle.....(smaller angles optional)	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)
Mounting	--	--

**ENVIRONMENTAL CHARACTERISTICS :-**

Operating Temperature.....	Degrees C	-50 to +105
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**PERFORMANCE :-**

Rotational Life (shaft Revolutions)..	Nos.	4,000,000 (Typical)
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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

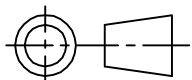
Soldering Recommendation :- Use soldering Iron at 350° C for 3 second maximum  
 \* Standard tests have shown the life to be 5,000,000+. Confirmation test are continuing, waiting for consolidation of data.



## CONDUCTIVE PLASTIC HOLLOW SHAFT POTENTIOMETER

Scale - 1:1

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



CUSTOMER DRAWING REF NO

Rev - 00

Customer : UAPL STANDARD

SHEET

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