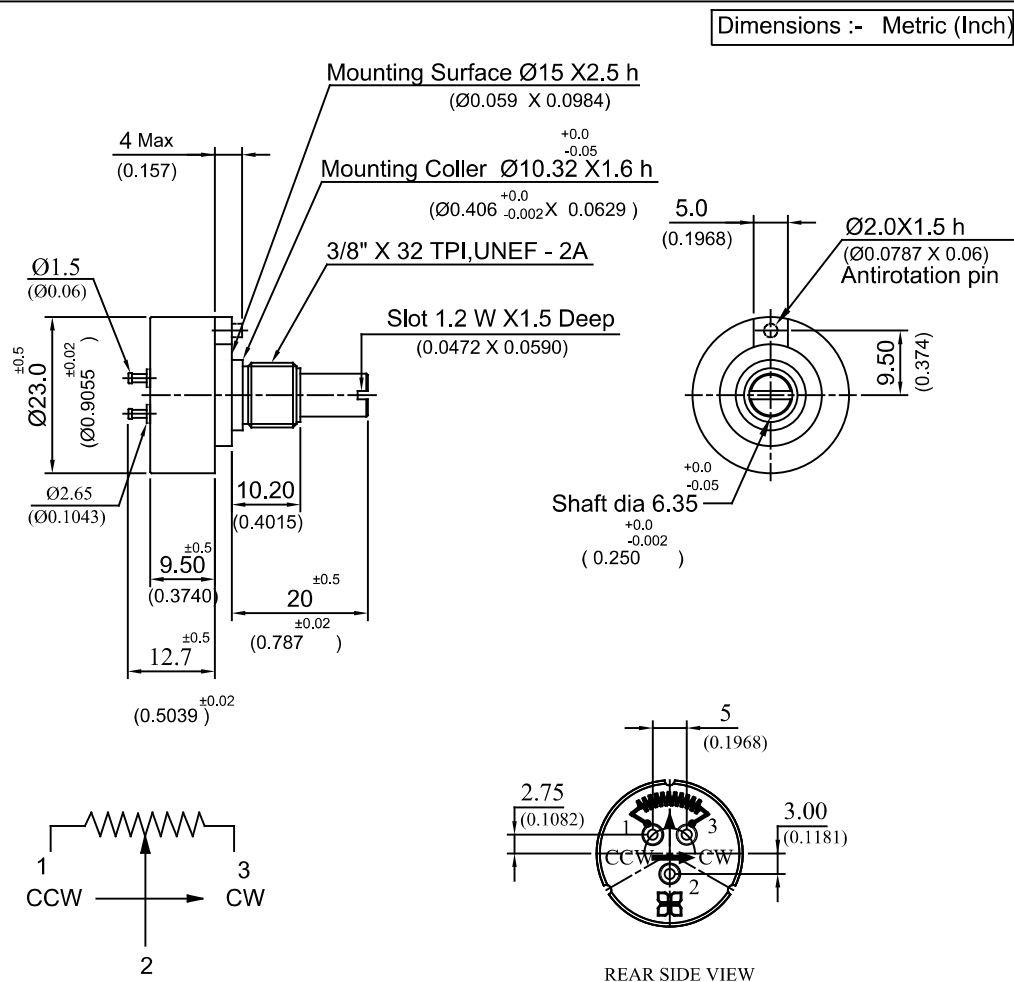




ELECTRICAL SHEMATIC DIAGRAM

- 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.
 4. Special smaller electrical anglesavailable option.

ELECTRICAL CHARACTERISTICS :-	UNITS	VALUE
Resistance Element...	--	Conductive Plastic
Resistance Range...	Ohms	1k,5k,10k(other value up to 100k)
Resistance Tolerance....	±%	20
Best Possible Resi Tolerance...	±%	10
Standard Independent Linearity Tolerance...(IEC 393)...	±%	2.0
Best Possible Independent linearity...		0.5
Electrical angle...(Smaller angles optional)	Degrees	320°, ±5°
Resistance taps(Current / voltage type - optional)	--	Min.4° wide for Current tap
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...	%	Less than 0.5

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle) With end stop...	Degrees	330° ±5°
Bearing Type...	--	Sleeve
Torque... Starting...	Nmm (Oz inch)	5 (0.708)
Torque... Running...	Nmm (Oz inch)	4 (0.566)
Spanner size of nut...	m.m.	14
Nut tightening Torque...	N.m.	0.8
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.	5,000,000
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MATERIALS OF CONSTRUCTION:-

Housing...	--	Engg. Plastic
Shaft...	--	Stainless Steel
Terminals...	--	Brass,gold plated
Mounting Hardware ...	--	Lock Washer-steel + Nut-Brass, A/F 14 X 3 mm,both Nickel plated
Bushing...	--	Industrial Brass

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 POTENTIOMETER

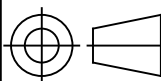
MODEL NP23 (328)

First Issue : 2009/03/10

Scale:- 1:1

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

UAPL PART NO
129328



CUSTOMER DRAWING REF NO
 NA

CUSTOMER : UAPL STANDARD

REV - 01

SHEET
 1 of 1