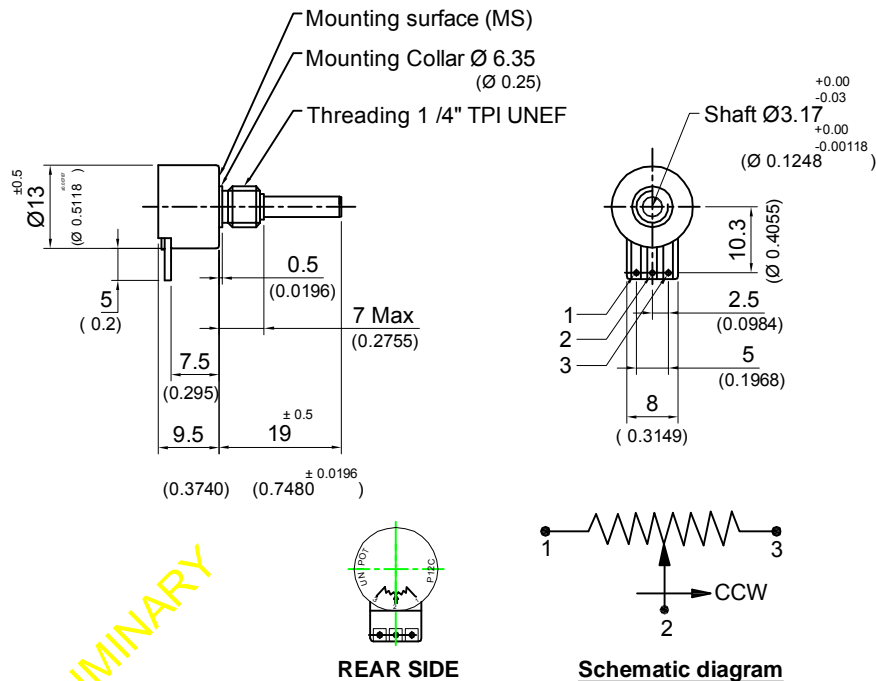


Dimensions :- Metric(Inch)



Features:-

1. Conductive plastic long life resistance element.
2. High quality engineering plastic sturdy low profile body.
3. Special smaller electrical angles..... available option.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element.....	--	Conductive Plastic
Total Resistance.....	Ohms	1k,2k,5k,10K Other values upto 100k
Standard Resistance Tolerance.....	%	±20
Best Possible Resistance Tolerance.....	%	±10
Independent Linearity Tolerance...(IEC 60393)..	%	± 5
Electrical angle.....(Smaller angles optional)	Degrees	300°±5°
Resolution.....	--	Essentially infinite
Power Rating @ 70°C.....	Watts	0.5
Insulation Resistance @ 500 Vdc.....	M Ohms	500
Dielectric Strength	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 maximum

MECHANICAL CHARACTERISTICS :-		
Rotation (Mechanical Angle) With stop	Degrees	320° ±5
Bearing Type.....	--	Sleeve
Torque... Starting.....	N.mm Oz inch	7.0 (0.991)
Torque... Running.....	N.mm Oz inch	5.0 (0.708)
Axial play	mm (Inch)	0.20(0.00787)
Radial play	mm (Inch)	0.20(0.00787)

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

PERFORMANCE :-		
Rotational Life (shaft Revolutions).....	Nos.	2,000,000 (Typical)

MATERIALS OF CONSTRUCTION:-		
Housing.....	--	Engg. Plastic
Shaft.....	--	Stainless Steel
Terminals.....	--	Pads on PCB, Gold Plated PTH
Mounting Hardware	--	Lock Washer-steel + Nut-Brass both Nickel plated

Uni-Automation (I) Pvt. Ltd.

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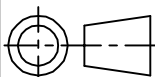
SINGLE TURN CONDUCTIVE PLASTIC POTENTIOMETER

P12

First Issue : 2008/12/26 Scale : 1:1

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

UAPL PART NO.
129001



CUSTOMER DRAWING REF NO
NA

REV - 00

Customer : UAPL STANDARD

SHEET
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