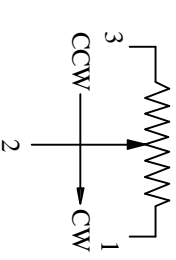
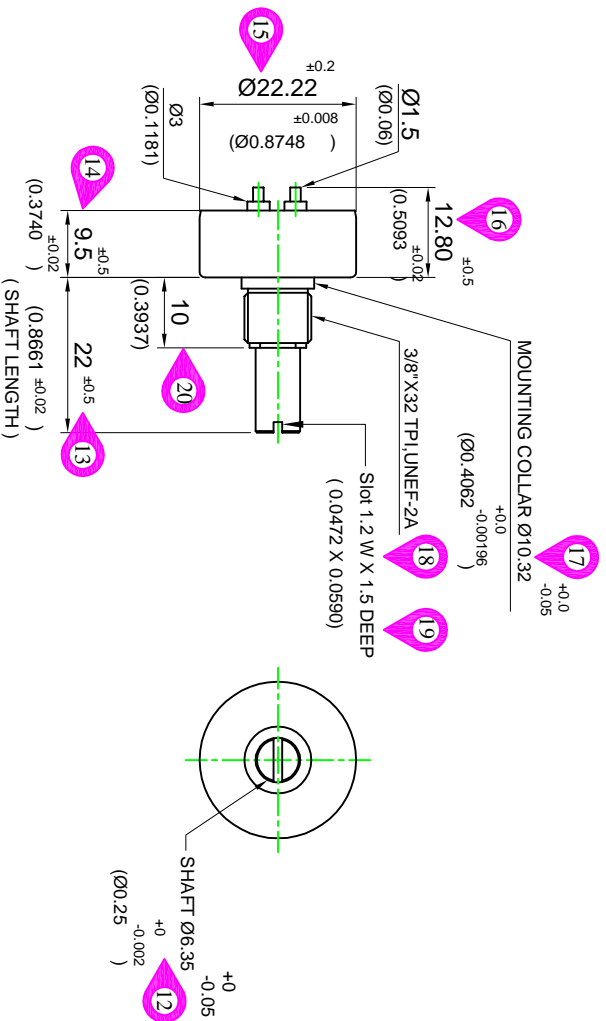
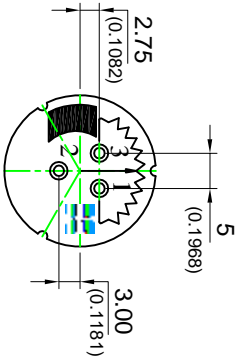


**DIMENSIONS :-METRIC(INCH)**



ELECTRICAL SCHEMATIC DIAGRAM



REAR SIDE VIEW

- 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)
RESISTANCE TOLERANCE ...	±%	20 <sup>02</sup> <sup>01</sup>
STANDARD INDEPENDENT LINEARITY TOLERANCE...(IEC 383)...	±%	2.0 <sup>03</sup> <sup>04</sup>
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 <sup>05</sup>
DIELECTRIC STRENGTH @ 50 HZ...	V ac	500 <sup>06</sup>
MAXIMUM WIPER CURRENT ...	mAmps	1
SHORT TIME WIPER CURRENT 10 SEC...	mAmps	10
END VOLTAGE AS A % OF APPLIED VOLTAGE...	%	LESS THAN 0.5 <sup>07</sup>

**MECHANICAL CHARACTERISTICS :-**

ROTATION (MECHANICAL ANGLE) CONTINUOUS	DEGREES	360° <sup>08</sup>
BEARING TYPE ...	--	SLEEVE
TORQUE ... STARTING...	Nmm Oz inch	5 (0.708) <sup>09</sup>
TORQUE ... RUNNING...	Nmm Oz inch	4 (0.566)
SPANNER SIZE OF NUT...	m.m	14.00 m.m.
NUT TIGHTNING TORQUE...	N.m.	0.8 N.m.
AXIAL PLAY ...	m.m.(inch)	0.2 (0.00787) MAX <sup>10</sup>
RADIAL PLAY ...	m.m.(inch)	0.2 (0.00787) MAX <sup>11</sup>

**ENVIRONMENTAL CHARACTERISTICS :-**

OPERATING TEMPERATURE ...	DEGREES C	-40 to +105
ROHS COMPLIANCE ...	--	Yes
PERFORMANCE :-	--	Yes
ROTATIONAL LIFE (SHAFT REVOLUTIONS)...	NOS.	5,000,000

**MATERIALS OF CONSTRUCTION:-**

HOUSING...	--	ALUMINIUM WITH BLACK ANODIZED
SHAFT...	--	STAINLESS STEEL
TERMINALS...	--	BRASS, GOLD PLATED
MOUNTING HARDWARE ...	--	LOCK WASHER,STEEL + NUT,BRASS, A/F 14 X 3 MM,BOTH NICKEL PLATED

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

UNI-AUTOMATION (I) PVT LTD		CONDUCTIVE PLASTIC POTENTIOMETER	
TEL/FAX: +91 (020)-24440890			
www.uniautomation.com		NP22-325	
FIRST ISSUE :2010/14/07	SCALE:-1:1	CUSTOMER DRAWING REF NO	REV - 00
TOLERANCES DIN/ISO 2768-1 (099/146) (TOLERANCE CLASS:MEDIUM)		U/APL PART NO	SHEET
		129325	1 of 1
		CUSTOMER :-U/APL STANDARD	