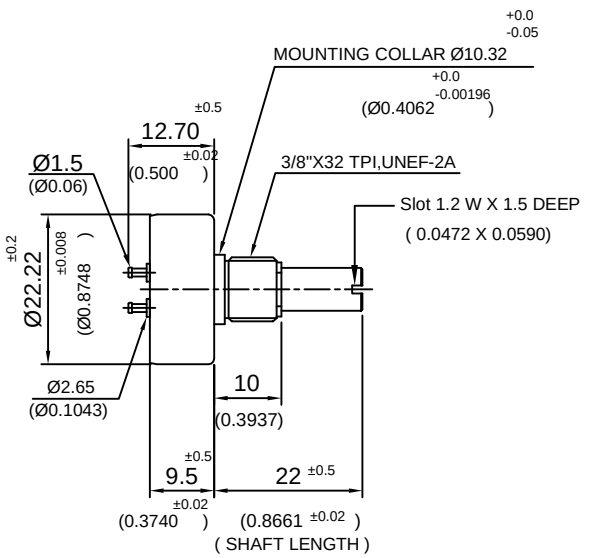
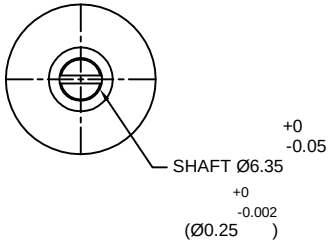
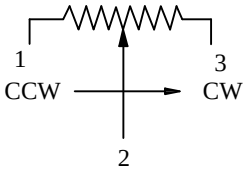
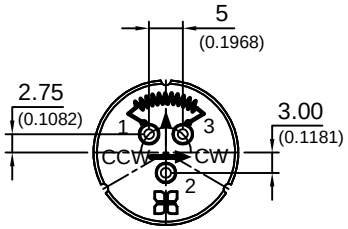
DIMENSIONS :-METRIC(INCH)







ELECTRICAL SHEMATIC 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
RESISTANCE TOLERANCE...	±%	20
STANDARD INDEPENDENT LINEARITY TOLERANCE...(IEC 393)...	±%	2.0
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...	%	LESS THAN 0.5
MECHANICAL CHARACTERISTICS :--		
ROTATION (MECHANICAL ANGLE) CONTINUOUS	DEGREES	360°
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	14.00 m.m.
NUT TIGHTNING TORQUE...	N.m.	0.8 N.m.
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
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

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CONDUCTIVE PLASTIC POTENTIOMETER

MODEL NP22 (325)

FIRST ISSUE :2010/14/07	SCALE:-1:1		
TOLERANCES DIN-ISO 2768-1 (1991-06) (TOLERANCE CLASS-MEDIUM)	UAPL PART NO 129325	CUSTOMER DRAWING REF NO NA	REV - 01 DATE:-140915
		CUSTOMER :-UAPL STANDARD	SHEET 1of1