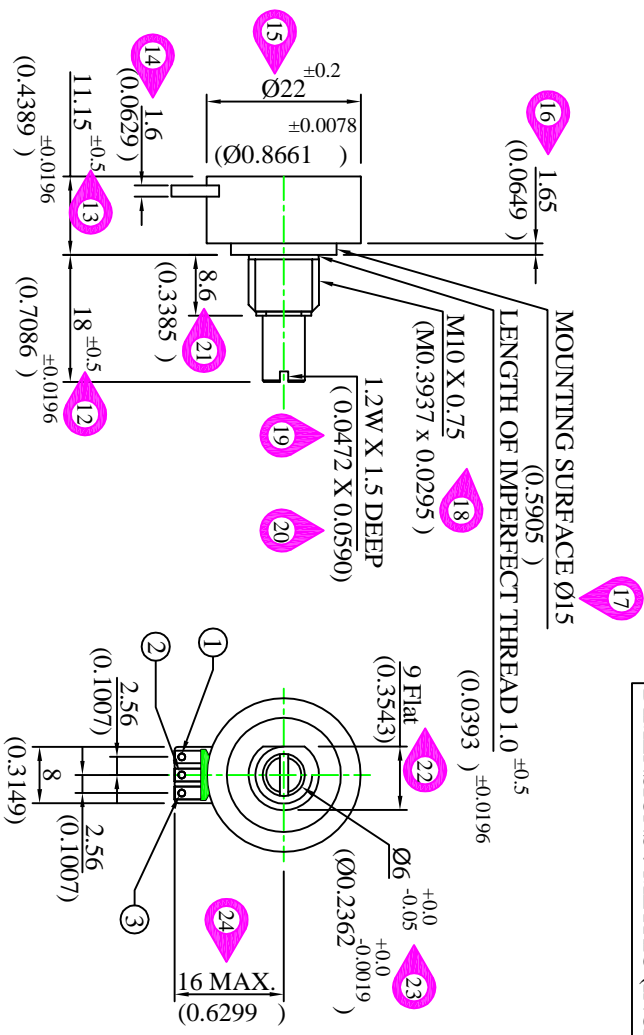


DIMENSIONS :- METRIC (INCH)



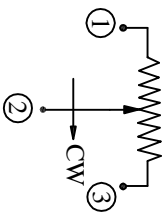
- FEATURES:-
1. CONDUCTIVE PLASTIC LONG LIFE RESISTANCE ELEMENT.
 2. PRECIOUS METAL HIGH TECHNOLOGY WIPER GIVES NOISE FREE OUTPUT.
 3. SPECIAL SMALLER ELECTRICAL ANGLES AVAILABLE OPTION.

ELECTRICAL CHARACTERISTICS :-	UNITS	VALUE
RESISTANCE ELEMENT...	--	CONDUCTIVE PLASTIC
RESISTANCE RANGE...	Ohms	500.1K, 2K, 5K, 10K (OTHER VALUES UP TO 100K)
RESISTANCE TOLERANCE...	±%	20 (02)
STANDARD INDEPENDENT LINEARITY TOLERANCE... (IEC 393)...	±%	2 (03)
ELECTRICAL ANGLE...	DEGREES	320±5° (04)
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 (05)
DIELECTRIC STRENGTH @ 50 HZ...	V ac	500 (06)
MAXIMUM WIPER CURRENT...	mAmps	1
SHORT TIME WIPER CURRENT 10 SEC...	mAmps	10
END VOLTAGE AS A % OF APPLIED VOLTAGE...	%	LESS THAN 0.5 (07)

MECHANICAL CHARACTERISTICS:-		
ROTATION (MECHANICAL ANGLE)...	DEGREES	360° (08)
BEARING TYPE...	--	SLEEVE
TORQUE... STARTING...	NMM (OZ INCH)	5 (09)
TORQUE... RUNNING...	NMM (OZ INCH)	4
SPANNER SIZE OF NUT...	M.M.	14
NUT TIGHTENING TORQUE...	N.M.	0.8
AXIAL PLAY...	M.M.(INCH)	0.2 (0.00787) MAX (10)
RADIAL PLAY...	M.M.(INCH)	0.2 (0.00787) MAX (11)

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

ELECTRICAL SCHEMATIC DIAGRAM



CONDUCTIVE PLASTIC POTENTIOMETER

NP21-370

UNI-AUTOMATION (I) PVT LTD
 TEL/FAX: +91-(020)-24420890
 www.uniautomation.com

FIRST ISSUE : 2010/18/01
 SCALE:- 1:1

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

U/APL PART NO
 129370

CUSTOMER DRAWING REF NO
 NA

CUSTOMER : U/APL STANDARD

REV - 01
 SHEET
 1 of 1

MATERIALS OF CONSTRUCTION:-

HOUSING...	ENG.G. PLASTIC
SHAFT...	STAINLESS STEEL
TERMINALS...	PADS ON PCB, 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 NOTE:- (REV.DETAILED) ADD SCREW DRAWER SLOT.