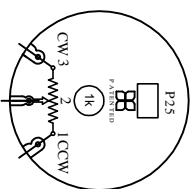
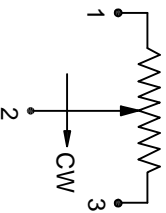
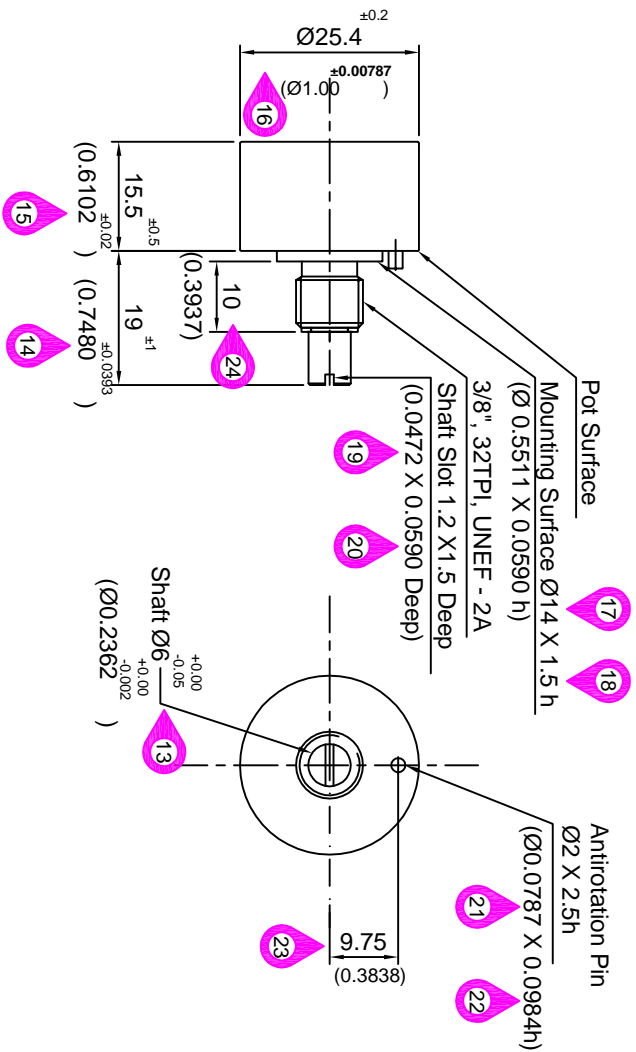


Dimensions :- Metric (Inch)



Electrical Schematic Diagram

Rear Side View

Uni-Automation (I) Pvt. Ltd.
SINGLE TURN POTENTIOMETER
WIRE WOUND

Tel / Fax: +91 - (020) - 24440890
 www.uniautomation.com

First Issue : 2009/12/12

Scale: - 1:1

P25

Tolerances
 DIN-ISO 2768-1 (1991-08)
 (Tolerance class-medium)

UAPL PART NO
129253



CUSTOMER DRAWING REF NO
 NA
 Customer : Avcon control

REV - 00

SHEET
 1 of 1

ELECTRICAL CHARACTERISTICS :-

RESISTANCE ELEMENT.....	UNIT	VALUE
Resistance Element.....	WW	Wire Wound
Resistance Range.....	Ohms	1K 01
Resistance Tolerance.....	± %	10 02
Standard Independent Linearity Tolerance... (IEC 393)..	± %	1 03
Electrical angle.....	Degrees	270° ±5° 04
Equivalent Noise Resistances.....	Ohms	<100 05
Resolution.....	%	0.25 06
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	± 50 07
Power Rating @ 70° C.....	Watts	1 08
Insulation Resistance @ 500 Vdc.....	M Ohms	1000 09
Dielectric Strength @ 50 Hz.....	V ac	500 10
Maximum Wiper current.....	mAmps	1 11
Short time wiper current 10 sec.	mAmps	10 12
End Resistance	%	< 0.1 OR 5 Ohms which is higher 08

MECHANICAL CHARACTERISTICS :-

ROTATION (MECHANICAL ANGLE) WITH END STOP	DEGREES	VALUE
Rotation (Mechanical Angle) With End Stop	Degrees	285° ± 5 09
Bearing Type.....	--	Sleeve 10
Starting Torque.....	Nmm(Oz inch)	15 (2.124) 11
Running Torque.....	Nmm(Oz inch)	10 (1.41) 12
Axial Play	m.m.(Inch)	0.2 (0.008) Max. 11
Radial Play	m.m.(Inch)	0.2 (0.008) Max. 12

ENVIRONMENTAL CHARACTERISTICS :-

OPERATING TEMPERATURE.....	DEGREES C	VALUE
Operating Temperature.....	Degrees C	-40 to +105
ROHS compliance	--	Yes

PERFORMANCE :-

ROTATIONAL LIFE (SHAFT REVOLUTIONS).....	NOS.	VALUE
Rotational Life (shaft Revolutions).....	Nos.	100,000

MATERIALS OF CONSTRUCTION:-

HOUSING.....	ENG. PLASTIC	VALUE
Housing.....	Eng. Plastic	--
Shaft.....	Brass Nickel Plated	--
Terminal	Brass silver 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