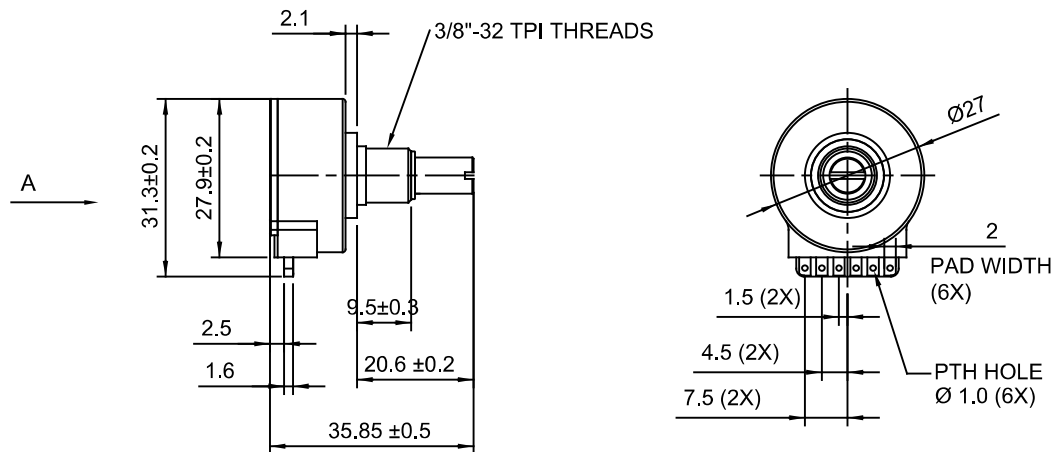
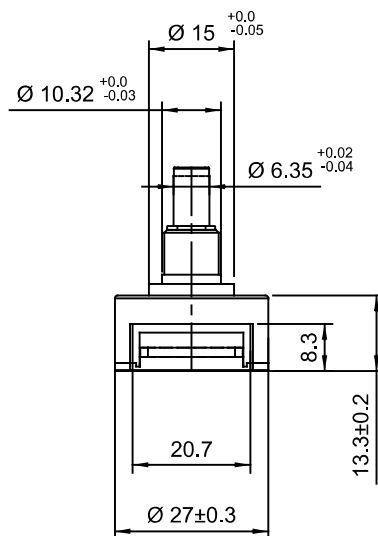


ELECTRICAL SCHEMATIC DIAGRAM



- Features:-**
1. Conductive plastic long life resistance element.
 2. Anodized Aluminium precision machined body.
 3. Special smaller electrical angles..... available option.
 4. Precious metal high technology wiper gives noise free output.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element...	--	Conductive Plastic
Resistance value...	Ohms	5K + 5K
Standard Resistance Tolerances...	%	±20
Wiper protection Resistance ...	Ohm	500 TO 1000
Standard Independent Linearity Tolerances..(IEC 393)...	%	±2
Electrical angle...	Degrees	270° ± 3° (2x)
Resolution...	--	Essentially Infinite
Temperature Coefficient of Resistance (TCR)...	ppm/deg C	±400
Power Rating @ 70° C...	Watts	2
Insulation Resistance @ 500 Vdc...	M Ohms	1000
Insulation Resistance between POT 01 and POT 02 @ 100Vdc...	M Ohms	20
Dielectric Strength @ 50 Hz...	V ac	500
Maximum Wiper current...	mAmps	1
Short time wiper current 10 sec. ...	mAmps	10
End Voltage % of Applied voltage...	%	0.5

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle) Stopper...	Degrees	270°
Bearing Type...	--	Sleeve
Torque... Starting...	Nmm	10
Axial Play...	m.m.(inch)	0.2 (0.00393)
Radial Play...	m.m.(inch)	0.2 (0.00393)

ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature...(Typical)	Degrees C	-40 to +150
-----------------------------------	-----------	-------------

PERFORMANCE :-

Rotational Life (shaft Revolutions)...	Nos.	5,000,000
Protection class ...	IP	65

MATERIALS OF CONSTRUCTION:-

Housing...	--	Engineering Plastic
Shaft...	--	Stainless Steel
Terminals...	--	PCB gold plated pad

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

Tel/Fax: +91-(020)-24420890

www.uniautomation.com

CONDUCTIVE PLASTIC DUAL TRACK

MODEL P_27 (031) SERIES

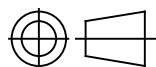
FIRST ISSUE : 15/09/21

SCALE : 1:1

TOLERANCES
DIN-ISO 2768-1 (1991-06)
(TOLERANCE CLASS-MEDIUM)

UAPL PART NO

129031



CUSTOMER DRAWING REF NO
NA

CUSTOMER : NA

REV -00

SHEET- 1of 2