

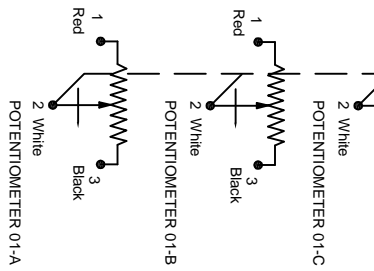
21	ELEMENT	FR4	2
20	BODY	ALUMINIUM HE30	1
19	SHAFT	SS303	1
18	ROD SIDE LOCK CAP END CAP2	SS303/304	1
17	ROD SIDE LOCK CAP ROD LOOK-1	SS303/304	1
16	WIRE SIDE LOCK FLANGE	SS303/304	1
15	BEARING (INDUSTRIAL BRASS)	INDUSTRIAL BRASS	1
14	RIVET FOR CARRIER	BRASS	2
13	PAW/WIPER	PAW	4
12	WIPER CARRIER	NYLON 66 20% GF	1
11	WIPER RIVET	COPPER	8
8	TUBE 3.0 LENGTH (AS PER BODY LENGTH)	SILICON	APS
6	O-RING (ID5.8 X O/S 2.0)	NBR	2
5	M3 LOCK NUT	BRASS	2
5	WAVE WASHER	SS303/304	1
5	E TAPE CIRCLIP	SS303/304	1
4	PAN HEAD SCREW M2.5 X 30MM	SS303	4
4	FR4 CARRIER	FR4 TG <150	2
3	HEAT SHRINK CABLE SLEEVE(4X) SET	SILICON	30 EACH
2	WIRE SET OF 30MM LONG	26 AWG 19 STRANDS	2
1	GASKET	SILICON	3
Sr.No	DESCRIPTION	MATERIAL	QUANTITY

BILL OF MATERIAL

NOTE :- CONTINUOUS IMPROVEMENTS ARE BEING MADE FOR ENHANCING PERFORMANCE FOR CUSTOMER BENEFIT. THEREFORE, THE PRODUCT'S SPECIFICATIONS MAY BE SLIGHTLY DIFFERENT THAN DESCRIBED BY ABOVE SPECIFICATIONS.
 MARKING DETAILS :-
 MANUFACTURERS NAME PART NUMBER, RESISTANCE VALUE AND TOLERANCE, LINEARITY TOLERANCE, WIRING DIAGRAM AND DATE CODE

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
RESISTANCE ELEMENT ...	--	CONDUCTIVE PLASTIC DUAL TRACK
RESISTANCE VALUE ...	Ohms	6.5K±6.5K+6.5K
RESISTANCE TOLERANCE ...	±%	20
STANDARD INDEPENDENT LINEARITY TOLERANCE ...	±%	<0.3
EFFECTIVE ELECTRICAL STROKE ...	Stroke (mm)	200±1.0
RESOLUTION ...	--	ESSENTIALLY INFINITE
POWER RATING at 40°C ...	Watt	1.5
TEMPERATURE COEFFICIENT OF RESISTANCE(OR) ...	ppm/deg c	±400
RECOMMENDED WIPER CURRENT ...	µA	<0.1
MAXIMUM WIPER CURRENT ...	mA	10
INSULATION RESISTANCE @ 50 VDC ...	M Ohms	100 (BETWEEN BODY AND TRACK)
INSULATION RESISTANCE @ 50 VDC ...	M Ohms	100 (BETWEEN TWO TRACKS)
DIELECTRIC STRENGTH @ 1 MINUTE ...	V Ac	500 / 50HZ
END VOLTAGE AS A % OF APPLIED VOLTAGE ...	%	LESS THAN 0.5
OUTPUT MATCHING OF FSD ...	%	≤1
TRACKING ERROR (TOLERANCE) OF FULL SCALE	%	≤1

ELECTRICAL SCHEMATIC DIAGRAM
 *CHANNEL IDENTIFICATION IS REQUIRED



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

U/APL PART NO
149784

**CONDUCTIVE PLASTIC
 LINEAR MOTION POTENTIOMETER**

WT22 TRIPLE TRACK (784) POT-01

CUSTOMER DRAWING REF NO
 NA

REV -00

CUSTOMER : STD

SHEET
 1 of 3

MECHANICAL CHARACTERISTICS :-

MECHANICAL STROKE ...	Stroke (mm)	201 ±3.0
BEARING TYPE ...	--	SLEEVE
MAXIMUM OPERATING FORCE ...	N	<2

ENVIRONMENTAL CHARACTERISTICS :-

OPERATING TEMPERATURE ...	Degrees C	-50 to +105°
PROTECTION CLASS ...	IP	54
LIFE ...	Strokes	100,000

MATERIALS OF CONSTRUCTION :-

HOUSING ...	--	ALUMINIUM BLACK ANODIZED
SHAFT ...	--	STAINLESS STEEL (NON MAGNETIC)