

SPECIFICATIONS

ELECTRICAL

RESISTANCE VALUES _____ 1K,2K,5K,10K,20K,50K,100K OHMS(10 TURN)
 500,1K,2K,5K,10K,20K,(3 AND 5 TURNS)
 ±10%
 RESISTANCE TOLERANCE _____ SEE CHART
 INDEPENDENT LINEARITY _____ <0.015%(10 TURN), <0.05%(3 AND 5 TURN)
 OUTPUT SMOOTHNESS _____ <3%(10 TURN), <5%(3 AND 5 TURN)
 CONTACT VARIATION _____ SEE CHART
 POWER RATING _____ SEE CHART
 ELECTRICAL ANGLE _____ SEE CHART
 END VOLTAGE _____ 0.3 % MAX.
 RESOLUTION _____ ESSENTIALLY INFINITE
 INSULATION RESISTANCE _____ 1000 MEGOHMS MIN. @ 500VDC
 DIELECTRIC STRENGTH _____ 1000 VAC MIN.

MECHANICAL

MECHANICAL ANGLE _____ SEE CHART
 STOP STRENGTH _____ 48 OZ.IN.
 STARTING TORQUE _____ LESS THAN 0.7 OZ.INCHES
 ROTATIONAL LIFE _____ 10,000,000 (10TURN)
 5,000,000 (3 AND 5 TURN)
 WEIGHT _____ 0.8 OZ.

ENVIRONMENTAL

OPERATING TEMPERATURE _____ -55° TO +105°C
 TEMPERATURE COEFFICIENT _____ ±100 P.P.M./°C
 VIBRATION _____ 10Hz TO 2,000Hz 15G
 MOISTURE RESISTANCE _____ 40°C95%RH 120 HOURS
 SHOCK _____ 50G 11ms

NON-STANDARDS AVAILABLE

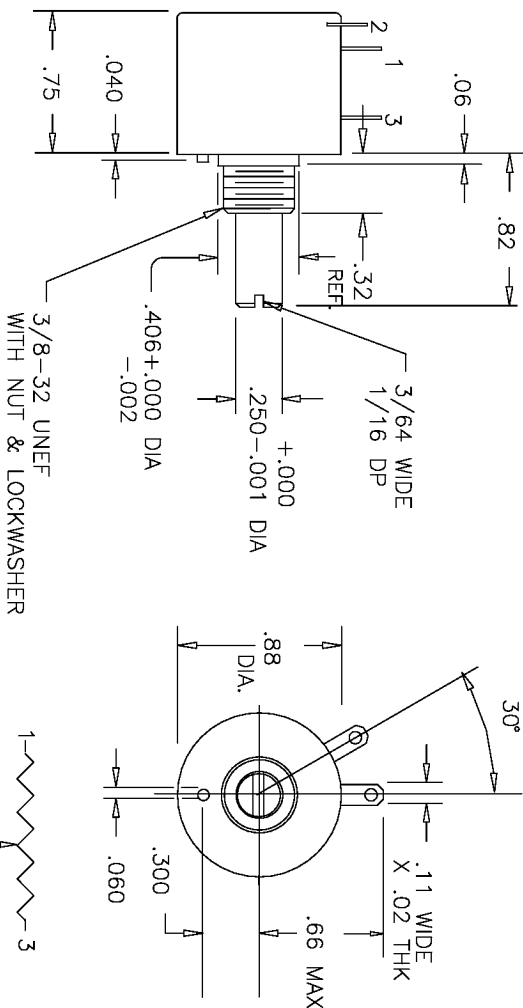
MULTI-GANGED UP TO 6 SECTIONS
 REAR SHAFT EXTENSION
 FRONT SHAFT MODIFICATIONS
 SERVO MOUNTING
 NON STANDARD LINEARITY

MATERIALS

HOUSING-----HIGH TEMP. THERMO PLASTIC
 TERMINALS-----GOLD PLATED BRASS
 BUSHING-----BRASS
 SHAFT-----STAINLESS STEEL
 RESISTIVE ELEMENT-----HYBRID

REV.	BY	DATE	PART NO.
D	BT	03-05	MH22B

OUTPUT SMOOTHNESS WAS .15

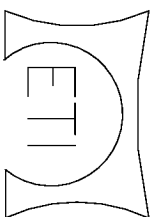


NO. OF TURNS	MODEL	ELECTRICAL ANGLE	MECHANICAL ANGLE	LINEARITY INDEPENDENT	POWER RATING
3	MH22B-3	1080°±5°	1080°+10°/0°	±0.5%	1 WATT
5	MH22B-5	1800°±5°	1800°+10°/-0°	±0.35%	1 WATT
10	MH22B-10	3600°±5°	3600°+10°/-0°	±0.25%	2 WATT

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TITLE

HYBRID MULTI-TURN POTENTIOMETER



SYSTEMS CARLSBAD CALIFORNIA

PART NO.

MH22B

TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"
 XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	NONE
DATE:	10-1-88
BY	G.L.S.

APPRV'D	BT
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CODE IDENT:
19477