

SPECIFICATIONS

THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

REV	BY	DATE	P/N	MH20B
F	BT	1-25-95	ADDED SCREWDRIVER SLOT	

ELECTRICAL

RESISTANCE RANGE	SEE BELOW
RESISTANCE TOLERANCE	±10%
LINEARITY (INDEPENDENT)	3&5 TURN (±.35%) 10&20 TURN (±.25%)
RESOLUTION	ESSENTIALLY INFINITE
END RESISTANCE	1 OHM OR .1%
TRAVEL	SEE TABLE
OUTPUT SMOOTHNESS	.05% (3&5 TURN) .015% (10.15&20 TURN)
POWER RATING	SEE TABLE
INSULATION RESISTANCE	100 MEGOHMS MIN. AT 1000VDC
DIELECTRIC STRENGTH	1000 VAC AT SEA LEVEL
CONTACT VARIATION	<5% (3&5 TURN) <3% (10.15&20 TURN) CRV

MECHANICAL

NUMBER OF TURNS	SEE TABLE
TRAVEL	SEE TABLE
TORQUE, ROTATIONAL	0.7 IN.OZ. MAX.
LIFE, ROTATIONAL	SEE TABLE
STOP STRENGTH	94 IN.OZ.
RADIAL PLAY	.002 TIR
END PLAY	.005

ENVIRONMENTAL

OPERATING TEMPERATURE	-55°C TO +105°C
TEMPERATURE COEFFICIENT	±100 PPM/°C
VIBRATION	10HZ TO 2000HZ 15G
SHOCK	50G 11MS
MOISTURE RESISTANCE	40°C 95%RH 120 HOURS

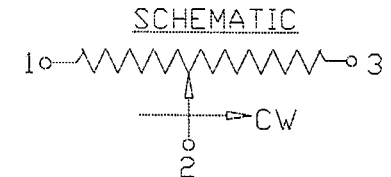
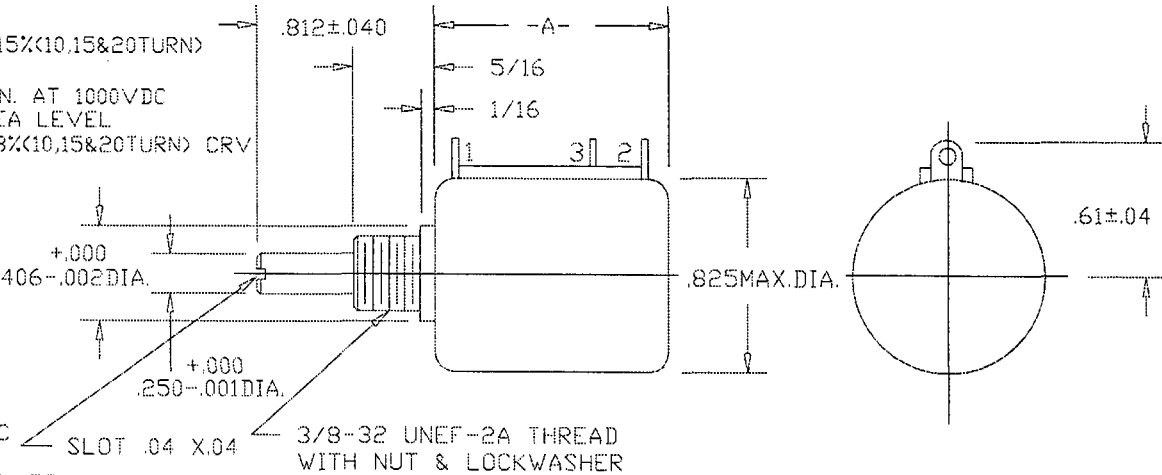
OPTIONS

- SERVO MOUNTING
- SPECIAL RESISTANCES AND LINEARITIES
- MODIFIED SHAFTS
- EXTRA TAPS
- HIGH TORQUE
- EXTRA GANGS (UP TO 6)

STANDARD RESISTANCE = 3 TURN, 1K, 5K, 10K, 20K
 RANGE 5 TURN, 1K, 5K, 10K, 20K, 50K
 10 TURN, 2K, 5K, 10K, 20K, 50K, 100K
 15 TURN, 2K, 5K, 10K, 20K, 50K, 100K
 20 TURN, 2K, 5K, 10K, 20K, 50K, 100K

NOTE:

HYBRID RESISTANCE ELEMENT



TABLED SPECIFICATIONS

DASH NO.	NO. OF TURNS	MECHANICAL ANGLE +10°-0°	ELECTRICAL ANGLE ±5°	POWER RATING	ROTATIONAL LIFE	DIM -A-	WEIGHT
-3	3	1080°	1080°	0.7 WATT	5,000,000	.71	1.4 OZ.
-5	5	1800°	1800°	1.0 WATT	5,000,000	.71	1.4 OZ.
-10	10	3600°	3600°	2.0 WATT	10,000,000	1.00	1.7 OZ.
-15	15	5400°	5400°	2.0 WATT	10,000,000	1.29	2.4 OZ.
-20	20	7200°	7200°	2.0 WATT	10,000,000	1.58	2.5 OZ.

TOLERANCES XX = +/- .010* FRACT. = +/- 1/64* XXX = +/- .005* ANGLES = +/- 1/2*	SCALE	DATE: 11-10-88	Precision Sales & Equipment Inc 610-359-1002 FAX 610-353-1674	TITLE HYBRID MULTI-TURN POTENTIOMETER	PART NO. MH20B
	NONE	BY			
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	CODE IDENT: 1947				
USED ON					