

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE ----- SEE CHART
RESISTANCE TOLERANCE ----- ±3%
LINEARITY TOLERANCE ----- ±0.25%
RESOLUTION ----- SEE CHART
END RESISTANCE AT TERM. ----- 1 OHM OR 0.1%
ELECTRICAL ANGLE ----- 3600±5°
ELECTRICAL NOISE ----- 100 OHM MAX.
POWER RATING ----- 1.5 WATTS
MAXIMUM VOLTAGE ----- 450 VOLTS
INSULATION RESISTANCE ----- 1,000 MEGOHMS @ 500 V.D.C.
DIELECTRIC STRENGTH ----- 1,000 V.A.C.

MECHANICAL

NUMBER OF TURNS ----- 10
MECHANICAL ANGLE ----- 3600±15°-0°
TORQUE ----- 0.4 OZ. IN. MAX.
STOP STRENGTH ----- 20 OZ. IN. MAX.
WEIGHT ----- 0.35 OZ.

ENVIRONMENTAL

OPERATING TEMPERATURE ----- -55°C to +105°C
TEMPERATURE COEFFICIENT ----- SEE CHART
VIBRATION ----- 10Hz TO 2000Hz 15G
SHOCK ----- 50G 11ms
MOISTURE RESISTANCE ----- 40°C 95%RH 120 HOURS
ROTATIONAL LIFE ----- 1,000,000 SHAFT REVOLUTIONS

MATERIALS

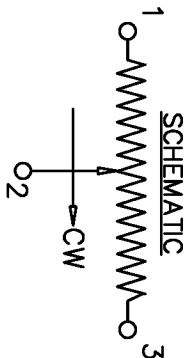
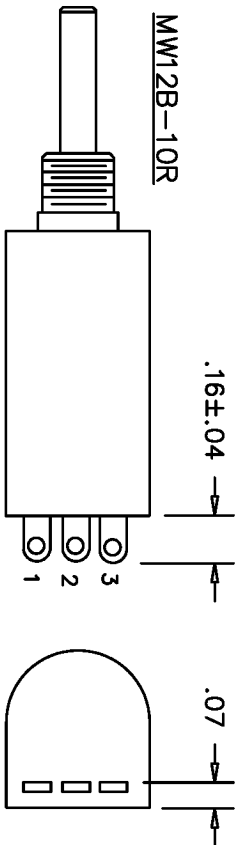
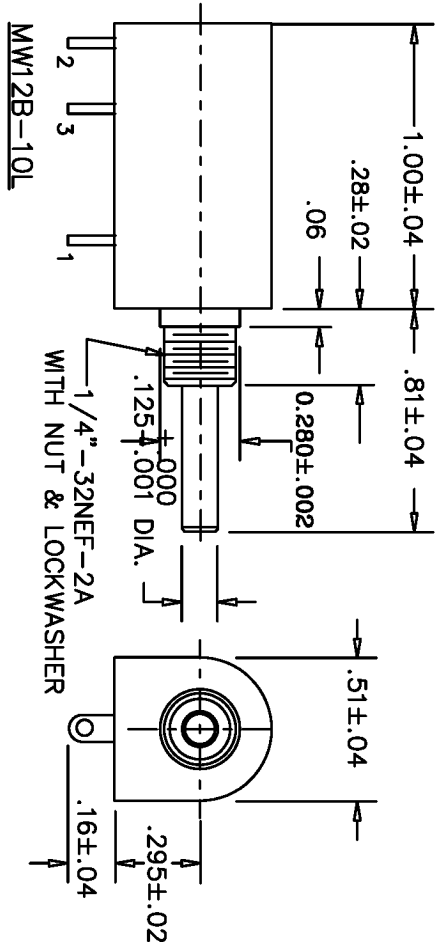
HOUSING ----- HIGH TEMPERATURE PLASTIC
SHAFT ----- STAINLESS STEEL
BUSHING ----- BRASS
TERMINALS ----- GOLD PLATED
ELEMENT ----- WIREWOUND

RESISTANCE	20	50	100	200	500	1K	2K	5K	10K	20K	50K	100K
RESOLUTION	.070	.050	.059	.054	.039	.040	.033	.024	.021	.016	.012	.009
TEMPERATURE COEFFICIENT,PPM/°C	700	700	80	80	80	20	20	20	20	20	20	20

	SCALE	NONE
	DATE:	4-3-79
	BY	
TOLERANCES		
XX = +/- .010" FRACT. = +/- 1/64"		
XXX = +/- .005" ANGLES = +/- 1/2°		
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.		

REV.	BY	DATE	PART NO.
C	BT	11-21 87	MW12B-10

MECH. ANGLE WAS 3600±5°
ADDED OPERATING TEMPERATURE



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.

<u>TOLERANCES</u>		<u>TITLE</u>	SYSTEMS CARLSBAD CALIFORNIA
XX = +/- .010" FRACT. = +/- 1/64"	APPR'VD		
XXX= +/- .005" ANGLES = +/- 1/2°	CODE IDENT:		MW12B-10
19477			
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.		POTENTIOMETER	