

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	-----	SEE CHART
RESISTANCE TOLERANCE	-----	±3%
LINEARITY(INDEPENDENT)	-----	±0.25%
RESOLUTION	-----	SEE CHART
END RESISTANCE	-----	1 OHM OR .1%
TRAVEL	-----	SEE TABLE
NOISE	-----	100 OHM MAX.
POWER RATING	-----	SEE TABLE
INSULATION RESISTANCE	-----	1000 MEGOHMS MIN. AT 1000VDC
DIELECTRIC STRENGTH	-----	1000 VAC AT SEA LEVEL

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
PILOT RUNOUT	-----	.0015 T.I.R
SHAFT RUNOUT	-----	.002 T.I.R.
LATERAL RUNOUT	-----	.0015 T.I.R.

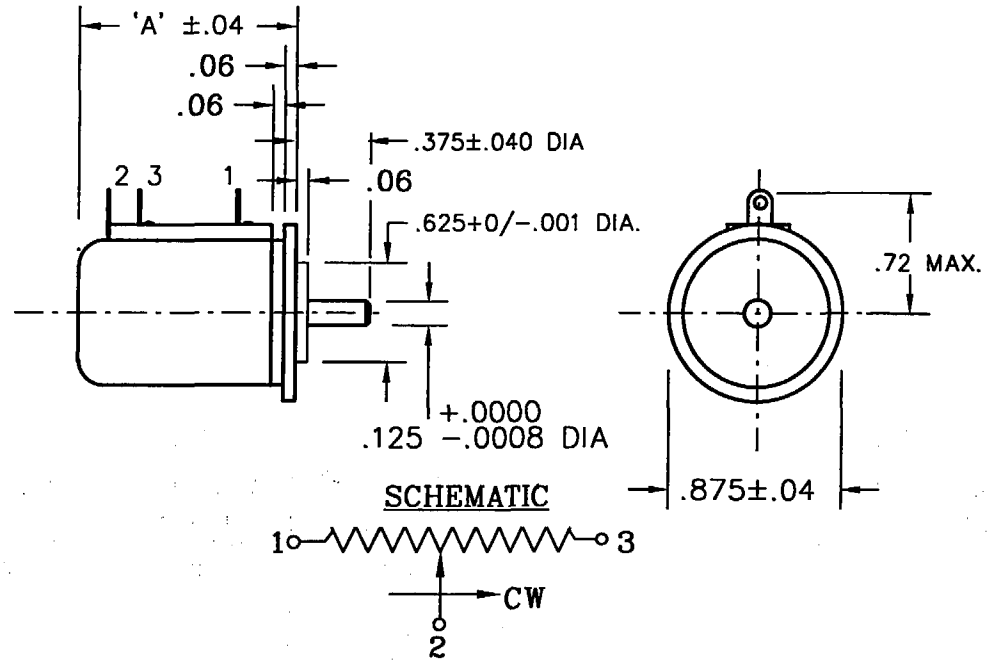
ENVIRONMENTAL

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 240 HOURS

OPTIONS

BUSHING MOUNT	EXTRA TAPS
SPECIAL RESISTANCES AND LINEARITIES	HIGH TORQUE
MODIFIED SHAFTS	EXTRA GANGS(UP TO 6)

REV.	BY	DATE	PART NO.
A	BT	7-30 88	MW20S
			REVISED



TABLED SPECIFICATIONS

RESOLUTION CHART (%)

OHMS DASH NO.	10	20	50	100	200	500	1K	2K	5K	10K	20K	50K	100K
-3	.15	.12	.15	.11	.10	.08	.07	.06	.05	.04	.03	.02	.01
-5	.10	.08	.10	.10	.08	.06	.05	.04	.03	.02	.02	.01	.01
-10	.06	.04	.06	.05	.03	.03	.02	.02	.02	.01	.01	.01	.01
TEMPERATURE COEFFICIENT	700 PPM*/C			80 PPM*/C				20 PPM*/C					

DASH NO.	NO.OF TURNS	MECHANICAL ANGLE+10°-0°	ELECTRICAL ANGLE ±5°	POWER RATING	ROTATIONAL LIFE	DIM -A-	WEIGHT
-3	3	1080°	1080°	.7 WATTS	600,000	.97	1.4 OZ.
-5	5	1800°	1800°	1 WATT	1,000,000	.97	1.4 OZ.
-10	10	3600°	3600°	2 WATTS	2,000,000	1.26	1.7 OZ.

<p>NOTE:</p> <p>WIREWOUND RESISTANCE ELEMENT</p>	<p>SCALE</p> <p>DATE: 4-21-85</p> <p>BY</p>	<p>NONE</p> <p>4-21-85</p>	<p>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.</p>	<p>Precision Sales & Equipment Inc</p> <p>610-359-1002</p> <p>F : 610-353-1674</p>
	<p>APPRVD</p> <p>BT</p> <p>CODE IDENT: 19477</p>	<p>TITLE</p> <p>MULTI-TURN POTENTIOMETER</p>		
<p>TOLERANCES</p> <p>XX = +/- .010" FRACT. = +/- 1/64"</p> <p>XXX = +/- .005" ANGLES = +/- 1/2°</p> <p>ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.</p>			<p>PART NO.</p> <p>MW20S</p>	