

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE SEE CHART
RESISTANCE TOLERANCE $\pm 3\%$
LINEARITY(INDEPENDENT) $\pm 0.25\%$
RESOLUTION SEE CHART
END RESISTANCE 1 OHM OR .1%
TRAVEL SEE TABLE
NOISE 100 OHM MAX.
POWER RATING SEE TABLE
INSULATION RESISTANCE 100 MEGOHMS 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 PLAY002 TIR
END PLAY005

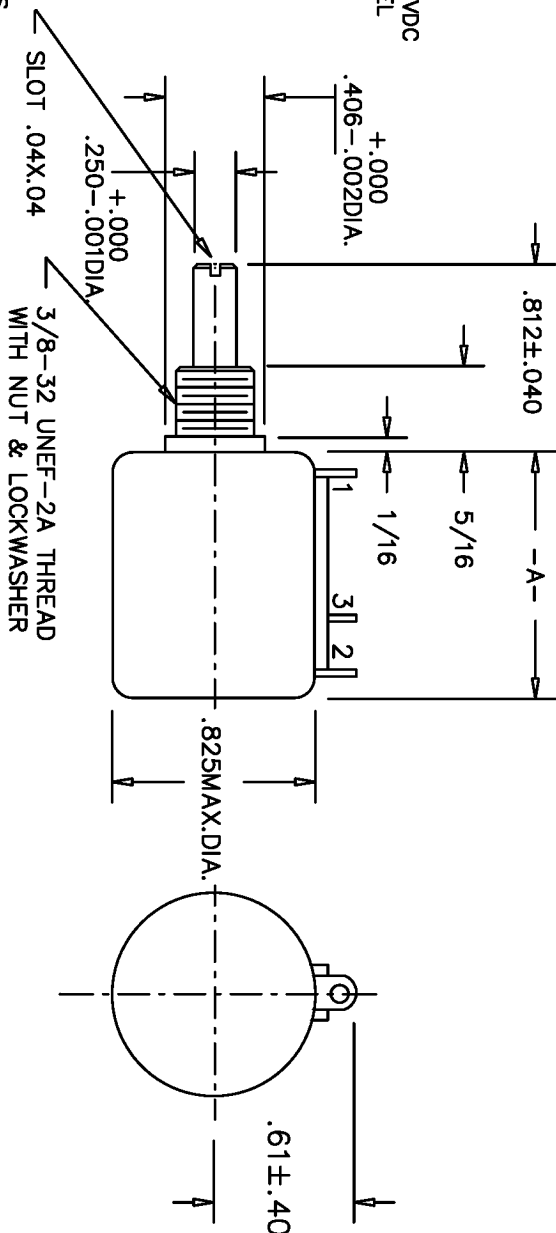
ENVIRONMENTAL

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

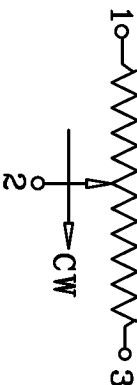
NOTE:

WIREWOUND RESISTANCE ELEMENT

REV.	BY	DATE	PART NO.
E	BT	5-24 93	MW20B



SCHEMATIC



RESOLUTION CHART (%)

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

TABLED SPECIFICATIONS

DASH NO.	NO.OF TURNS	MECHANICAL ANGLE+10°-0°	ELECTRICAL ANGLE $\pm 5^\circ$	POWER RATING	ROTATIONAL LIFE	DIM -A-	WEIGHT
-3	3	1080°	1080°	.7WATTS	600,000	.71	1.4 OZ.
-5	5	1800°	1800°	1 WATT	1,000,000	.71	1.4 OZ.
-10	10	3600°	3600°	2 WATTS	2,000,000	1.00	1.7 OZ.

OPTIONS
SERVO MOUNTING
SPECIAL RESISTANCES AND LINEARITIES
MODIFIED SHAFTS
EXTRA TAPS
HIGH TORQUE
EXTRA GANGS(UP TO 6)2nd GANG ADD 1.087 $\pm$ L_{GTH}, TRACKING 2X LIN.(MAX), PHASED AT CCW

TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"
XXX = +/- .005" ANGLES = +/- 1/2°
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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TITLE
MULTI-TURN
POTENTIOMETER



PART NO.
CARLSBAD
CALIFORNIA
MW20B