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REV.	BY	DATE	APPRVL.	P/N	MW22B
B	BT	2-24-99		MW22B-1	WAS $\pm 0.25\%$

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	100 TO 100,000 OHMS
RESISTANCE TOLERANCE	$\pm 5\%$
INDEPENDENT LINEARITY	SEE CHART
POWER RATING	SEE CHART
ELECTRICAL NOISE	100 OHMS MAX.
ELECTRICAL ANGLE	SEE CHART
END RESISTANCE	1 OHM OR 1% MAX.
RESOLUTION	SEE CHART
INSULATION RESISTANCE	1000 MEGOHMS MIN, @ 500VDC
DIELECTRIC STRENGTH	1000 VAC MIN.

MECHANICAL

MECHANICAL ANGLE	SEE CHART
STOP STRENGTH	48 OZ.IN.
STARTING TORQUE	1.4 OZ. IN. MAX.
ROTATIONAL LIFE	1,000,000 REVOLUTIONS
WEIGHT	0.8 OZ.

ENVIRONMENTAL

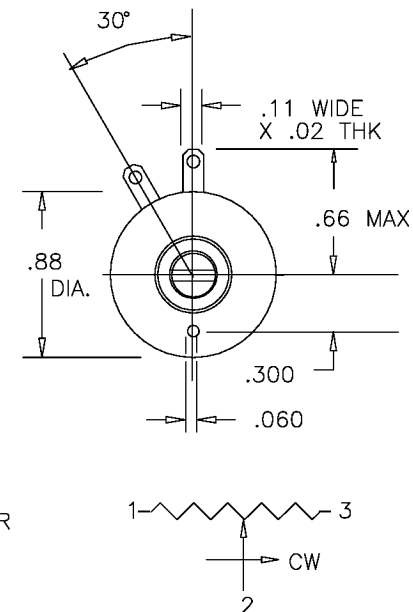
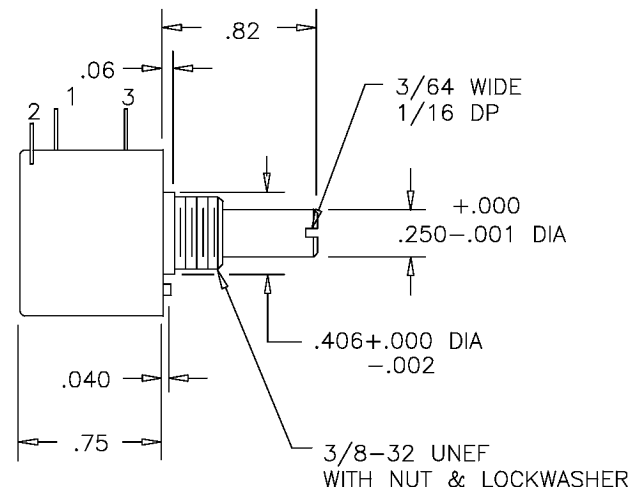
OPERATING TEMPERATURE	-55° TO +105°C
TEMPERATURE COEFFICIENT	SEE CHART
VIBRATION	10Hz TO 2,000Hz 15G
MOISTURE RESISTANCE	40°C95%RH 120 HOURS
SHOCK	50G 11mS

MATERIALS

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

NON-STANDARDS AVAILABLE

MULTI-GANGED UP TO 6 SECTIONS
REAR SHAFT EXTENTION
FRONT SHAFT MODIFICATIONS



RESOLUTION CHART

RESISTANCE (OHMS)	50	100	200	500	1K	2K	5K	10K	20K	50K	100K
MW22B-1 TURN	0.60	0.50	0.40	0.30	0.25	0.20	0.20	0.16			
MW22B-3 TURN	.15	.12	.090	.070	.056	.058	.045	.036	.030	.027	
MW22B-5 TURN	.10	.08	.064	.050	.040	.042	.032	.026	.021	.019	
MW22B-10 TURN	.06	.05	.040	.030	.025	.020	.020	.016	.013	.010	.009
TEMPERATURE COEFFICIENT PPM/°C	80					20					

TOLERANCES

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

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE

NONE

CODE IDENT: 19477

DATE: 4-18-85

BY

BT

APPRV'D



ETI
SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
MULTI-TURN
POTENTIOMETER

PART NO.

MW22B

MODEL	ELECTRICAL ANGLE	MECHANICAL ANGLE	LINEARITY INDEPENDENT	POWER RATING
MW22B-1	360° $\pm 5^\circ$	360°+10°/-0°	$\pm 0.5\%$	0.5WATT
MW22B-3	1080° $\pm 5^\circ$	1080°+10°/-0°	$\pm 0.5\%$	1 WATT
MW22B-5	1800° $\pm 5^\circ$	1800°+10°/-0°	$\pm 0.3\%$	1 WATT
MW22B-10	3600° $\pm 5^\circ$	3600°+10°/-0°	$\pm 0.25\%$	2 WATT