

SPECIFICATIONS

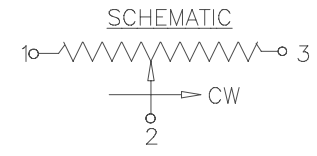
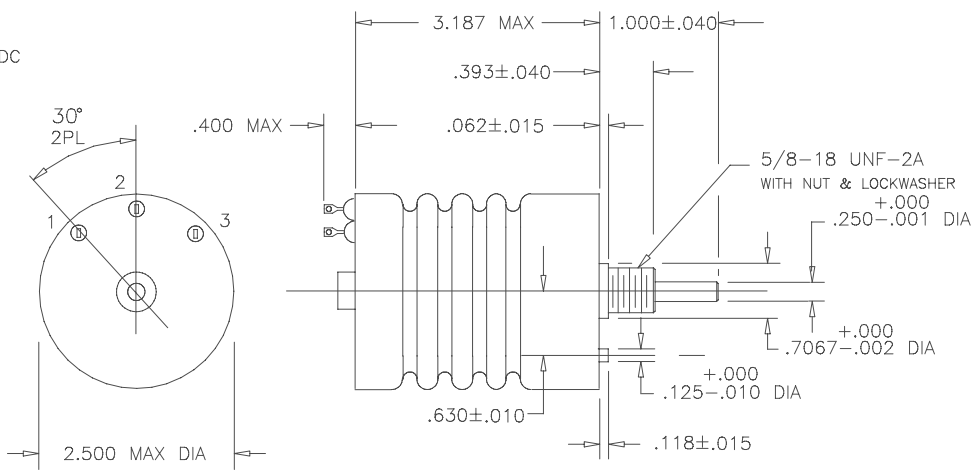
REV.	BY	DATE	PART NO.
D	FR	10-892	MO46B
			MO46B WAS MO46

- ELECTRICAL**
- RESISTANCE RANGE _____ 0.5 OHMS TO 300K OHMS
 - RESISTANCE TOLERANCE _____ ±5%
 - LINEARITY, INDEPENDENT _____
 - RESOLUTION _____ SEE CHART
 - ELECTRICAL ANGLE _____ 3600°±5°
 - NOISE _____ 100 OHMS MAX.
 - POWER RATING _____ 5 WATTS
 - INPUT VOLTAGE _____ 900 VOLTS MAX.
 - INSULATION RESISTANCE _____ OVER 100 MEGOHMS @ 1000 VDC
 - DIELECTRIC STRENGTH _____ 1000 VAC MINIMUM

- MECHANICAL**
- NUMBER OF TURNS _____ 10
 - MECHANICAL ANGLE _____ 3600°+10°, -0°
 - TORQUE, STARTING _____ 4.2 OZ. IN. MAX.
 - TORQUE, RUNNING _____ 3.4 OZ. IN. MAX.
 - SHAFT RUNOUT _____ .003 T.I.R. MAX.
 - SHAFT END PLAY _____ .005 T.I.R. MAX.
 - SHAFT RADIAL PLAY _____ .005 T.I.R. MAX.
 - STOP STRENGTH _____ 125 OZ. IN. MIN.
 - ROTATIONAL LIFE _____ 2,000,000 TURNS
 - WEIGHT _____ 11 OZ. (APPROX.)

- ENVIRONMENTAL**
- OPERATING TEMPERATURE _____ -20°C TO +60°C
 - TEMPERATURE COEFFICIENT _____ SEE CHART
 - VIBRATION _____ 10Hz to 2,000Hz 10G
 - SHOCK _____ 30G 11Ms
 - MOISTURE RESISTANCE _____ 40°C 95%RH 2000 HOURS

- OPTIONAL FEATURES**
- SHAFT MODIFICATIONS _____ SPECIAL LINEARITY
 - REAR SHAFT _____ SERVO MOUNT
 - SPECIAL ANGLES _____ HIGH TORQUE
 - CENTER TAP _____ SHAFT LOCKS



RESOLUTION CHART

RESISTANCE	0.5	1	2	5	10	20	50	100	200	500	1K	2K	5K	10K	20K	30K	50K	100K	200K	300K
RESOLUTION	~	~	~	~	~	~	.05	.04	.031	.023	.026	.020	.015	.011	.009	.008	.007	.006	.004	.0036
TEMPCO PPM/°C	80										20									

WIREWOUND RESISTANCE ELEMENT

TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"

XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	NONE
DATE:	4-16-75
BY	
APPR'VD	BT
CODE IDENT:	19477

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TITLE

OIL FILLED POTENTIOMETER

ETI SYSTEMS CARLSBAD CALIFORNIA

PART NO. MO46B