

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE _____ 1/2 OHM TO 300K OHM
RESISTANCE TOLERANCE _____ ±5%
LINEARITY, INDEPENDENT _____ SEE CHART
RESOLUTION _____ SEE CHART
END RESISTANCE _____ 1 OHM OR 1%
ELECTRICAL TRAVEL _____ SEE CHART
NOISE _____ 100 OHMS MAX
POWER RATING _____ SEE CHART
INSULATION RESISTANCE _____ 100 MEGOHMS AT 1000 VDC MIN.
DIELECTRIC STRENGTH _____ 1000 VAC MIN.

MECHANICAL

NUMBER OF TURNS _____ SEE CHART
MECHANICAL TRAVEL _____ SEE CHART
TORQUE, ROTATIONAL _____ 2.8 OZ.IN.
SHAFT END PLAY _____ .005 T.I.R.
LIFE (SHAFT REVOLUTIONS) _____ SEE CHART
STOP STRENGTH _____ 125 OZ.IN. MIN.

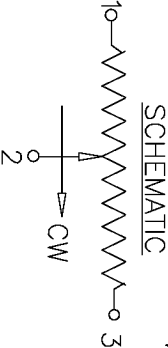
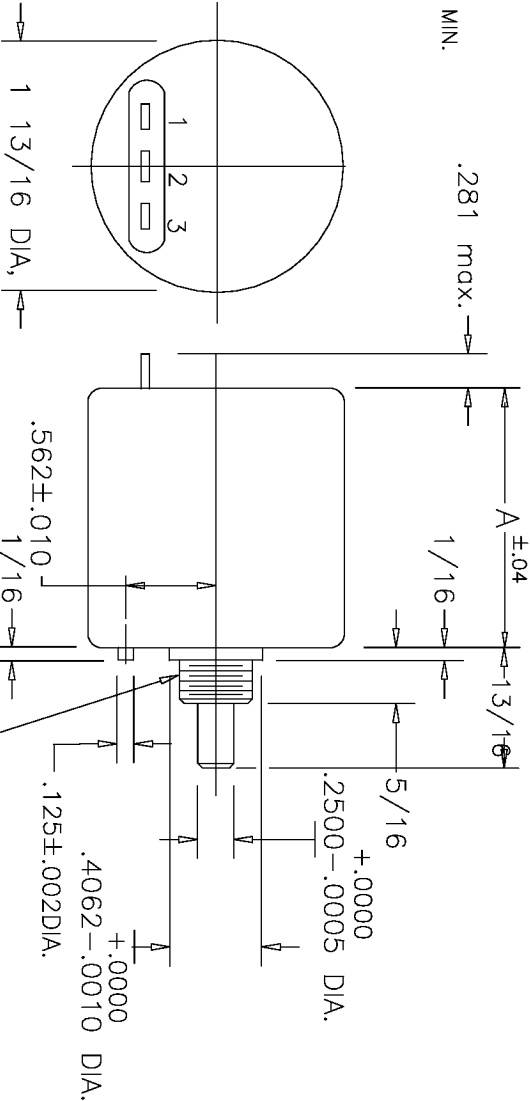
ENVIRONMENTAL

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

OPTIONS

SPECIAL SHAFTS _____ BALL BEARINGS
SERVO MOUNT _____ SPECIAL LINEARITY
DUAL GANGS _____ SPECIAL RESISTANCES

REV.	BY	DATE	PART NO.
E	BT	10-2-00	MR46B
			TERMINALS WERE GOLD PLATED



% RESOLUTION AND TEMPERATURE COEFFICIENT CHART

# SLIDEWIRE (INFINITE RESOLUTION)												
RESIS. MODEL	.5	1	2	5	10	20	50	100	200	50K	1K	2K
-3	#	#	#	#	#	#	#	#	#	#	#	#
-5	#	#	#	#	#	#	#	#	#	#	#	#
-10	#	#	#	#	#	#	#	#	#	#	#	#

ELECTRICAL TRAVEL	MECHANICAL TRAVEL	LINEARITY (IND.)	NO. OF TURNS	POWER RATING @ 40°C	ROTATIONAL LIFE (TURNS)	WEIGHT	DIM.
1080 ±5°	1080 ±10° - 0° 0.5%		3	2 WATTS	600,000	2.8 OZ.	1.50
1800 ±5°	1800 ±10° - 0° 0.5%		5	2.5 WATTS	1,000,000	3.2 OZ.	1.50
3600 ±5°	3600 ±10° - 0° 0.25%		10	5 WATTS	2,000,000	4.2 OZ.	2.20

MATERIAL

HOUSING _____ ALUMINUM, ANODIZED
SERVO LID _____ ALUMINUM, ANODIZED
SHAFT _____ STAINLESS STEEL
TERMINALS _____ SILVER PLATED
BEARINGS _____ BUSHING

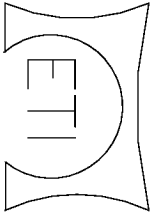
TOLERANCES

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

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TITLE

WIREWOUND
MULTI-TURN
POTENTIOMETER



SYSTEMS

CARLSBAD
CALIFORNIA

PART NO.

MR46B

Mouser Electronics

Authorized Distributor

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