

SPECIFICATIONS

Precision Sales Inc
610-359-1002 F 610-353-1674

MR46B-3,5,10

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

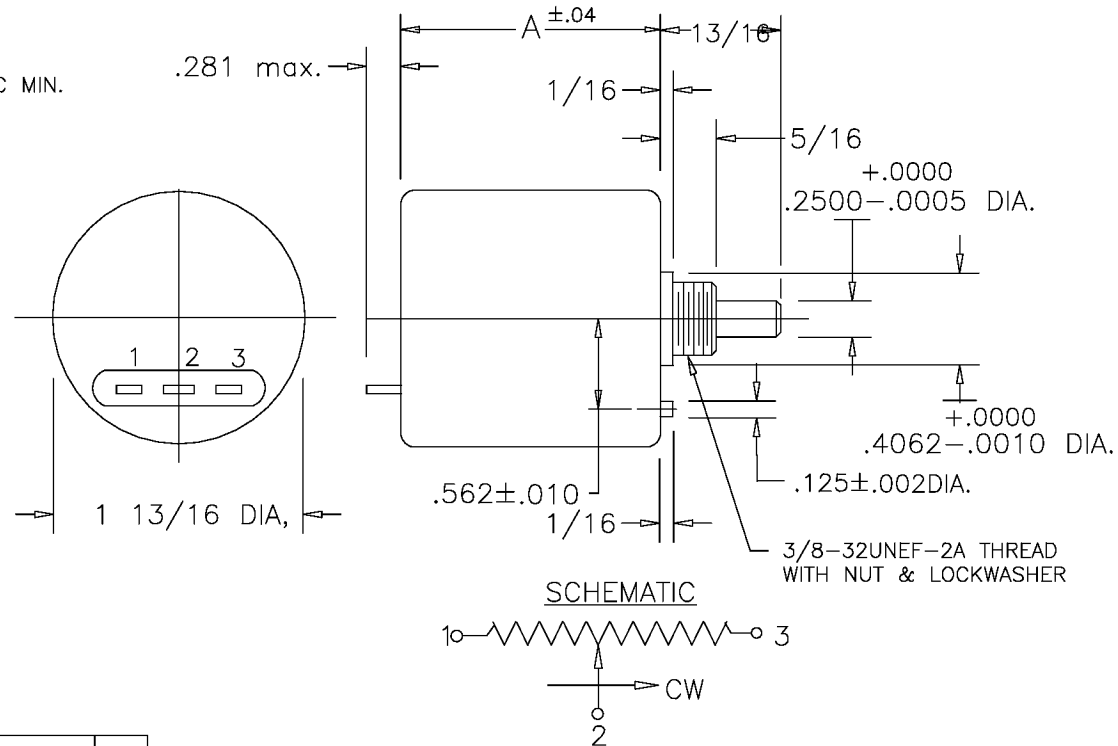
NUMBER OF TURNS	SEE CHART
MECHANICAL TRAVEL	SEE CHART
TORQUE, ROTATIONAL	2.8 OZ.IN.
SHAFT END PLAY	.005 T.I.R.
LIFE (SHAFT REVOLUTIONS)	SEE CHART
STOP STRENGTH	125 OZ.IN. MIN.

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



% RESOLUTION AND TEMPERATURE COEFFICIENT CHART

# SLIDEWIRE (INFINITE RESOLUTION)																
RESIS. MODEL	.5	1	2	5	10	20	50	100	200	500	1K	2K	5K	10K	20K	50K
-3	#	#	#	#	.180	.145	.105	.084	.066	.048	.035	.024	.019	.014	.012	
-5	#	#	#	#	.108	.078	.061	.048	.035	.024	.019	.014	.012			
-10	#	#	#	#	.050	.040	.031	.023	.016	.012	.009	.007	.005	.004	.004	
TEMPCO	80 PPM/°C						20 PPM/°C									

ELECTRICAL TRAVEL	MECHANICAL TRAVEL	LINEARITY (IND.)	NO. OF TURNS	POWER RATING @ 40°C	ROTATIONAL LIFE (TURNS)	WEIGHT	A 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