

Precision Sales Inc
www.precisionsales.com
610-359-1002

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	-----	SEE CHART
RESISTANCE TOLERANCE	-----	±3%
LINEARITY(INDEPENDENT)	-----	±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

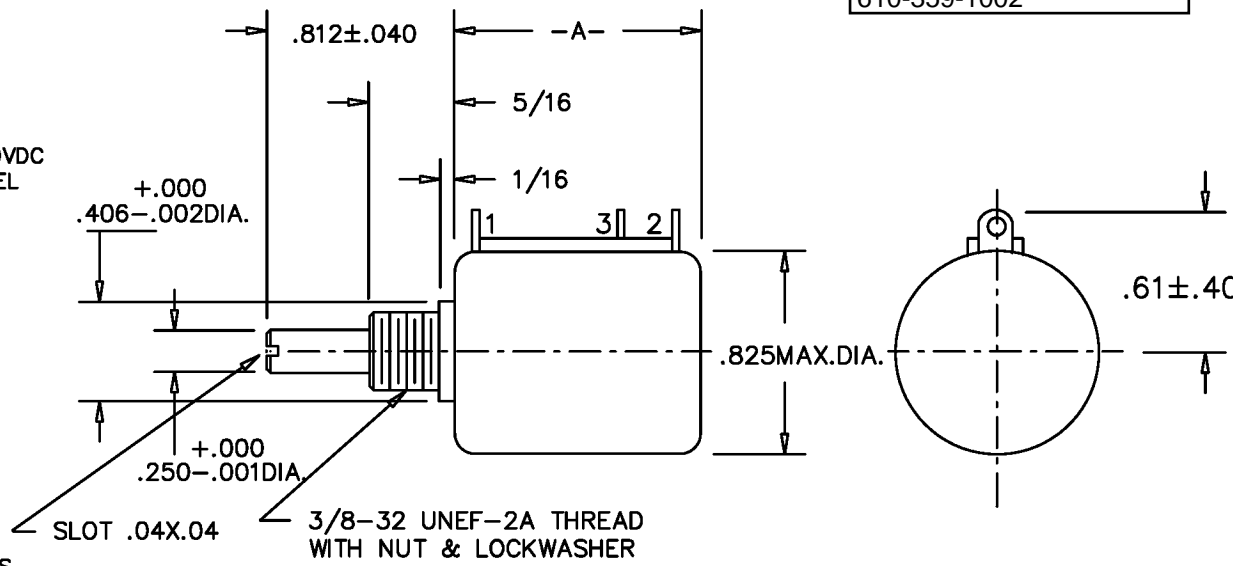
NUMBER OF TURNS	-----	SEE TABLE
TRAVEL	-----	SEE TABLE
TORQUE,ROTATIONAL	-----	0.7 IN.OZ. MAX.
LIFE,ROTATIONAL	-----	SEE TABLE
STOP STRENGTH	-----	94 IN.OZ.
RADIAL PLAY	-----	.002 TIR
END PLAY	-----	.005

ENVIRONMENTAL

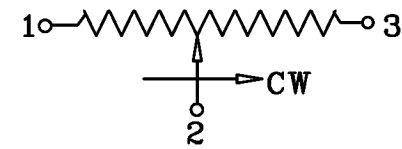
OPERATING TEMPERATURE	-----	-55°C TO +105°C
TEMPERATURE COEFFICIENT	-----	SEE CHART
VIBRATION	-----	10HZ TO 2000HZ 15G
SHOCK	-----	50G 11MS
MOISTURE RESISTANCE	-----	40°C 95%RH 240 HOURS

NOTE:

WIREWOUND RESISTANCE ELEMENT



SCHEMATIC



RESOLUTION CHART (%)

OHMS 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

TEMPERATURE COEFFICIENT	700 PPM°/C	80 PPM°/C	20 PPM°/C
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TABLED SPECIFICATIONS

DASH NO.	NO.OF TURNS	MECHANICAL ANGLE+10°-0°	ELECTRICAL ANGLE ±5°	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.