

SPECIFICATIONS

ELECTRICAL

- RESISTANCE RANGE — — SEE CHART
- RESISTANCE TOLERANCE — — ±3%
- LINEARITY(INDEPENDENT) — — ±0.25%(10 TURN)±0.35%(5 TURN)&(3 TURN)
- ELECTRICAL ANGLE — — 3600°(10 TURN)1800°(5 TURN) ±5° (3 TURN)1080°±5°
- END RESISTANCE — — 0.2% OR 2 OHMS
- ELECTRICAL NOISE(ENR) — — 100 OHMS MAX
- RESOLUTION — — SEE CHART
- INSULATION RESISTANCE — — 100 MEGOHMS AT 500 VDC
- DIELECTRIC STRENGTH — — 500 VAC MIN.
- POWER RATING — — 1 WATT(10 TURN) .5 WATT(5 TURN).3 WATT (3 TURN)

MECHANICAL

- NO OF TURNS — — MW10B-10(10 TURN) MW10B-5(5 TURN) MW10B-3(3 TURNS)
- MECHANICAL ANGLE — — 3600°(10 TURN)1800°(5 TURN)+30°-0° (3 TURN)1080°
- ROTATIONAL LIFE — — 1,000,000 TURNS (3&5 TURN)600,000
- STOP STRENGTH — — 15 IN. OZ.
- STARTING TORQUE — — 0.5 IN. OZ. MAX
- WEIGHT — — 0.7 OZ.(10 TURN) 0.6 OZ (5 TURN)(3 TURN)

ENVIRONMENTAL

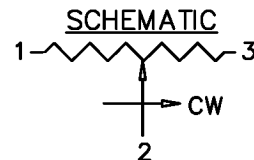
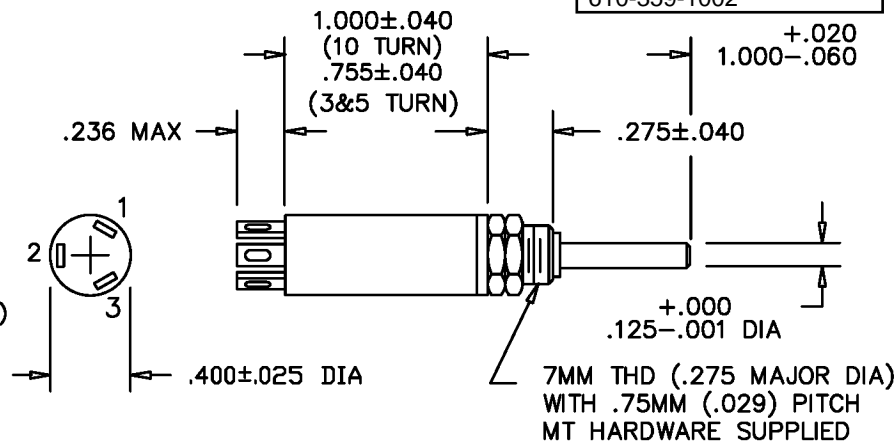
- OPERATING TEMPERATURE — — -55°C TO +105°C
- TEMPERATURE COEFFICIENT — — SEE CHART
- VIBRATION — — 10HZ TO 2000HZ 15G
- SHOCK — — 50G 11MS
- MOISTURE RESISTANCE — — 40°C 95%RH 240 HOURS

MATERIALS

- HOUSING — — ANODIZED ALUMINUM
- SHAFT — — STAINLESS STEEL
- BUSHING — — PLATED BRASS
- TERMINALS — — GOLD PLATED
- RESISTANCE ELEMENT — — WIREWOUND

OPTIONAL FEATURES

- SHAFT MODIFICATIONS



RESOLUTION CHART

RESISTANCE	100	200	500	1K	2K	5K	10K	20K	50K	100K
MW10B-3	.07%	.15%	.19%	.16%	.10%	.09%	.07%	.05%		
MW10B-5	.13%	.16%	.12%	.09%	.07%	.055%	.043%	.034%	.025%	
MW10B-10	.08%	.07%	.07%	.06%	.05%	.035%	.027%	.022	.016%	.013%
TEMP. COEFF.	80 PPM/°C		20 PPM/°C							