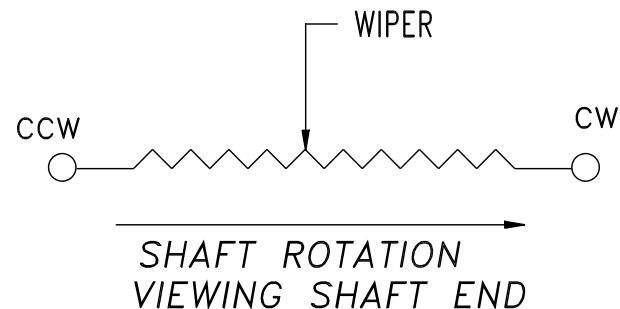
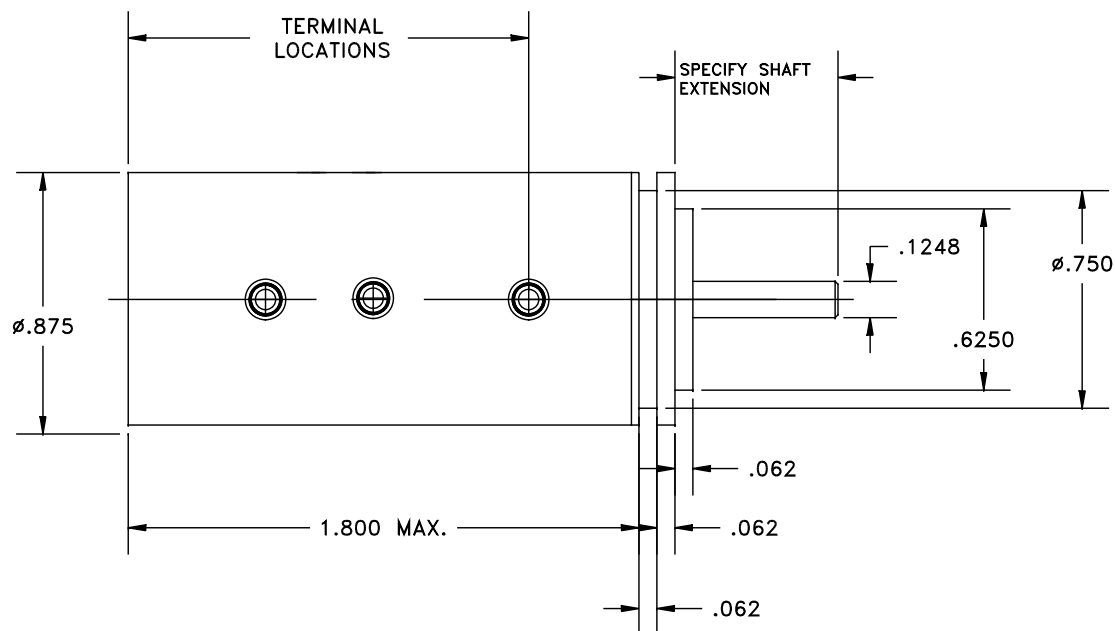


SERIES 8002 – MULTI TURN – CONDUCTIVE PLASTIC



SPECIFICATIONS

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ELECTRICAL

STANDARD RESISTANCE: 1K, 2K, 5K, 10K, 20K, 50K, 100K

RESISTIVE ELEMENT: MOLDED CONDUCTIVE PLASTIC

ELECTRICAL ANGLE: 3600° NOM.

LINEARITY: ±.2% to 5% MAX. (ABSOLUTE)

OUTPUT SMOOTHNESS: 0.1% MAX.

RESOLUTION: INFINITE

POWER RATING: 2.5 WATTS @70°C

DERATED LINEARLY TO ZERO @125° C

DIELECTRIC STRENGTH: 1000 VRMS

INSULATION RESISTANCE: 1000 MEGOHMS MIN. @ 500 VDC

MECHANICAL

MECHANICAL ANGLE: UP TO 3600 ±10° WITH STOPS

SHAFT RUNOUT: .001" T.I.R

SHAFT END PLAY: .001 – .003

SHAFT RADIAL PLAY: .002 IN. T.I.R

PILOT DIAMETER RUNOUT: .0015: T.I.R

LATERAL RUNOUT: .003" T.I.R

TORQUE/STARTING: .4 OZ-IN MAX.

TORQUE/RUNNING: .3 OZ-IN MAX.

STOP STRENGTH: 96 OZ-IN MIN.

MATERIALS

ANODIZED ALUMINUM HOUSING

STAINLESS STEEL SHAFT

CONTACTS: MULTI FINGER PRECIOUS METAL

ELEMENTS: WIREWOUND

ENVIRONMENTAL

TEMPERATURE: -65° C TO +125° C

LIFE: THE OPERATIONAL LIFE OF THE POTENTIOMETER

SHALL BE 10 X 10E6 CYCLES.

OPTIONAL FEATURES

TERMINATIONS:

TERMINALS

ENVIRONMENTAL SEALS

ABSOLUTE LINEARITY

MOUNTING HARDWARE

DUAL ELEMENTS