

SPECIFICATIONS

ELECTRICAL

RESISTANCE: 5K, ±10%
 ELECTRICAL ANGLE: 340°
 LINEARITY: INDEPENDENT, ±.5%
 OUTPUT SMOOTHNESS: 0.1% MAX
 RESISTANCE TEMPERATURE COEFFICIENT: ±400 PM/°C MAX
 POWER RATING: 1.5 WATTS @ 70°C

DIELECTRIC STRENGTH: 1000 VRMS

INSULATION RESISTANCE: 100 MEGOHMS MIN

MECHANICAL

ROTATION: CONTINUOUS 360°
 TORQUE: .3 IN. OZ. START MAX, .2 IN. OZ. RUN MAX

ENVIRONMENTAL

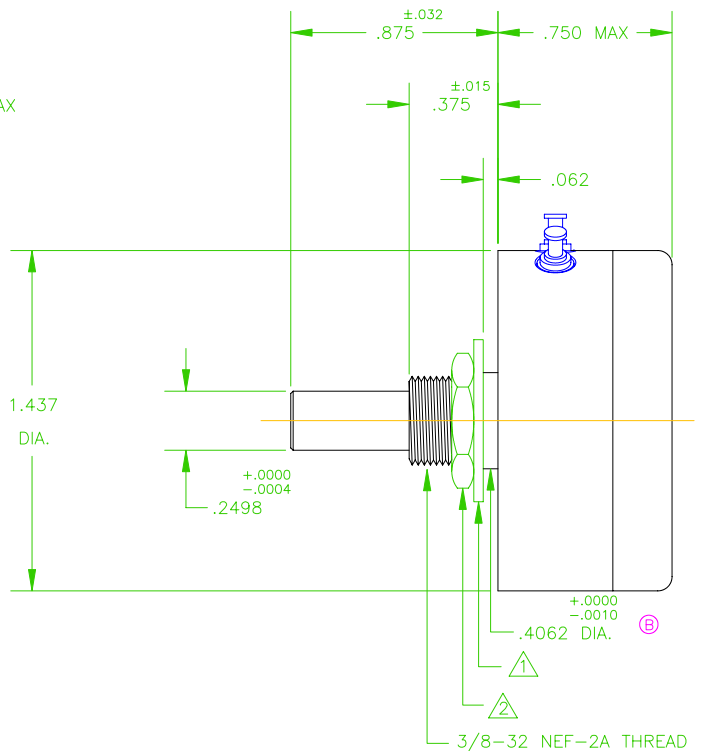
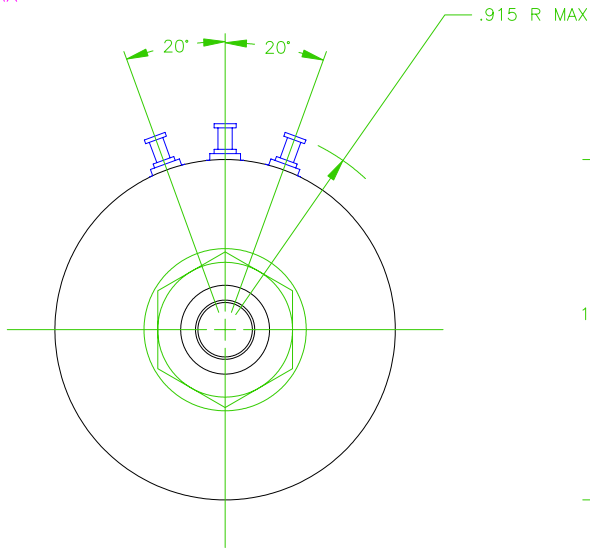
ROTATIONAL LIFE: 50 MILLION CYCLES MINIMUM
 OPERATING TEMPERATURE: -65°C TO +125°C

ALL OTHER ELECTRICAL, MECHANICAL AND ENVIRONMENTAL PER MIL-R-39023

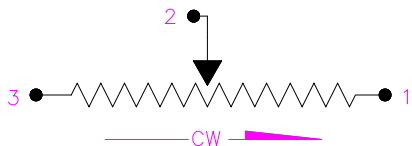
MATERIALS

HOUSING: ANODIZED ALUMINUM
 SHAFT: PASSIVATED CENTERLESS GROUND SST
 BEARINGS: PRECISION MINIATURE BALL
 ROTOR: BERYLLIUM COPPER
 CONTACTS: MULTIFINGER PRECIOUS METAL
 ELEMENT: CO-MOLDED CONDUCTIVE PLASTIC
 TERMINALS: GOLD PLATED

- ⚠ .04 THICK (OVER TEETH) X .699/.670 INTERNAL TOOTH LOCKWASHER SUPPLIED WITH UNIT.
- ⚠ .093 THICK X .579/.559 PANEL NUT SUPPLIED WITH UNIT.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASE	10/7/92	DARB
	B	7990-2953	8/13/96	DARB



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .xx ± .01 ± 2'	CONTRACT No.
MATERIAL	APPROVALS
6215-1002	DATE
FINISH	DRAWN
NOTED	D. TREE
NOTED	CHECKED
SCALE: 2X	ONE INCH

SPECTRUM SENSORS & CONTROLS GRASS VALLEY CALIFORNIA	
POTENTIOMETER	
SIZE B	CAGE CODE 5W885
DWG NO. 6215-1002-030	
SCALE: 2X	SHEET 1 OF 1

APPROVALS	DATE
D. TREE	10/7/92
CHECKED	
SCALE: 2X	ONE INCH