CUSTOMER:	CATALOG
CUSTOMER DWG/REV:	N/A

CHANGE HISTORY				
REV	DESCRIPTION	DATE	DRAWN	APPROVED
A	RELEASE	10/7/92	-	DARB
B0	ECN 5909	8/30/16	JDD	EML

SPECIFICATIONS

ELECTRICAL

RESISTANCE: 5KΩ ±10%
ELECTRICAL ANGLE: 340° ±2°
CONTINUITY ANGLE: 355°MIN
LINEARITY: INDEPENDENT, ±0.5%
MINIMUM VOLTAGE: 0.1% MAX
RESOLUTION: VIRTUALLY INFINITE
OUTPUT SMOOTHNESS: 0.1% MAX
RESISTANCE TEMPERATURE COEFFICIENT: ±400 PPM/°C MAX
POWER RATING: 1.0 WATT MAX @ 70°C,
DERATED TO 0.0 WATT @ 125°C
WIPER CONTACT CURRENT: 10 MILLIAMPS MAX
DIELECTRIC STRENGTH: 1,000 VRMS @ 60 Hz
INSULATION RESISTANCE: 100 MEG OHMS @ 500 VDC

MECHANICAL

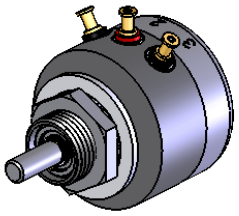
ROTATION: CONTINUOUS 360°
WEIGHT: (1 GANG) 0.9 OZ MAX
MECH BACKLASH: <0.1°
START TORQUE: 0.25 OZ-IN MAX
RUNNING TORQUE: 0.2 OZ-IN MAX
PILOT RUNOUT: 0.001 T.I.R.
SHAFT RUNOUT: 0.001 T.I.R.
SHAFT END PLAY: 0.003 MAX
SHAFT RADIAL PLAY: 0.003 T.I.R.
LATERAL RUNOUT: 0.002 T.I.R.

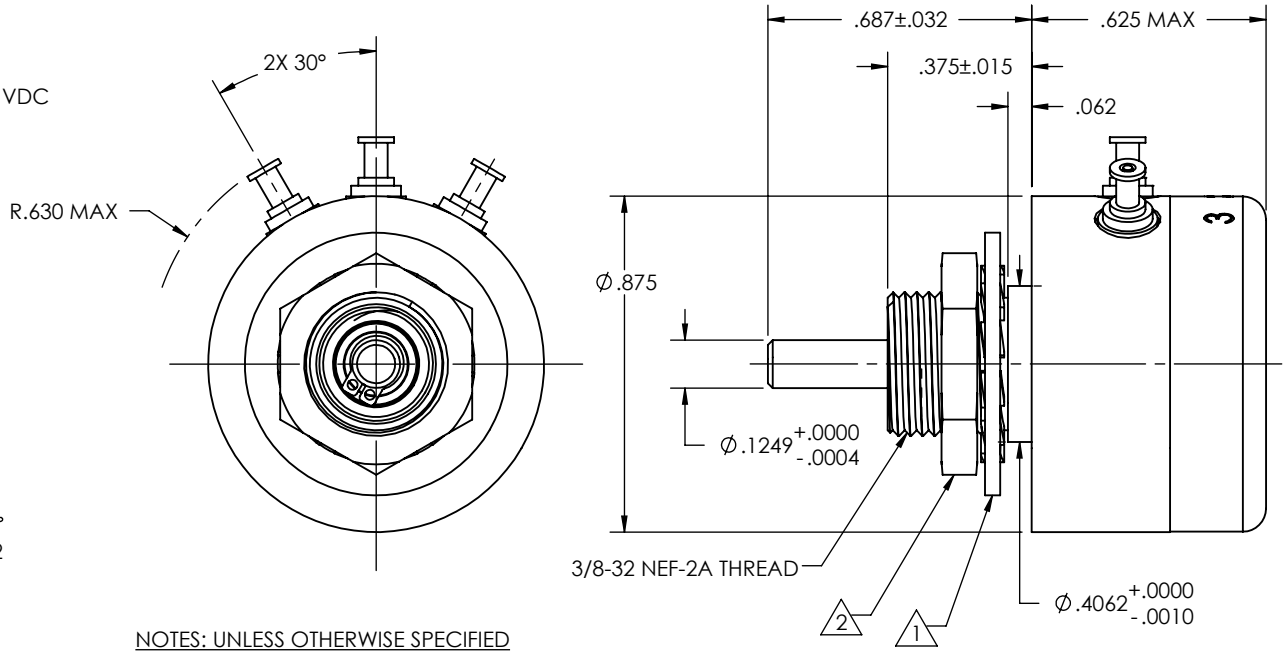
ENVIRONMENTAL

OPERATING TEMPERATURE: -65°C TO +125°C
ROTATIONAL LIFE: 50 MILLION CYCLES MIN
DITHER LIFE: 50 MILLION CYCLES @ 60HZ OVER 5°
SHOCK: SAWTOOTH 100G PEAK PER MIL-STD-202
METHOD 213, TEST CONDITION I
VIBRATION: HIGH FREQ; SWEPT 10 - 2000HZ, 15G PEAK
PER MIL-STD-202 TEST CONDITION B

MATERIALS

HOUSING AND COVER: ANODIZED ALUMINUM
SHAFT: PASSIVATED STAINLESS STEEL
BEARINGS: PRECISION MINIATURE BALL
ROTOR: BERYLLIUM COPPER
CONTACTS: MULTI-FINGER PRECIOUS METAL
ELEMENT: CO-MOLDED CONDUCTIVE PLASTIC
TERMINALS: GOLD PLATED BRASS



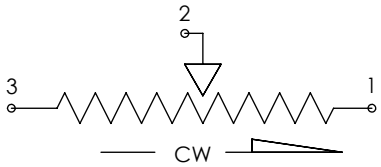


NOTES: UNLESS OTHERWISE SPECIFIED

1. .04 THICK (OVER TEETH) X .699/.670 INTERNAL TOOTH LOCK WASHER SUPPLIED WITH UNIT.

2. .093 THICK X .579/.559 PANEL NUT SUPPLIED WITH UNIT.

3. ALL ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS ARE IAW MIL-PRF-39023



INCREASING FUNCTION VIEWED FROM SHAFT END

EAR CONTROL
TECHNICAL INFORMATION SUBJECT TO EXPORT ADMINISTRATION REGULATIONS (EAR). THIS TECHNICAL INFORMATION IS PROHIBITED FROM TRANSFER OR DISCLOSURE IN ANY MANNER TO NON-U.S. PERSONS IN THE UNITED STATES OR ABROAD WITHOUT PRIOR APPROVAL BY THE U.S. COMMERCE DEPARTMENT OR APPLICABLE EAR EXEMPTION.

	NAME	DATE
DRAWN	D. TREE	10/7/1992
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGULAR ±2°
TWO PLACE DECIMAL ±.01
THREE PLACE DECIMAL ±.005
FOUR PLACE DECIMAL ±.0005

MATERIAL: NOTED
FINISH: NOTED
DO NOT SCALE DRAWING

Information in this box is for Engineering Reference Only

POTENTIOMETER

CAGE CODE: 5W885
DWG. NO.: 6209-1002-030
SHEET 1 OF 1

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Industrial Motion & Position Sensors ***category:***

Click to view products by TE Connectivity ***manufacturer:***

Other Similar products are found below :

595002M9474 01071901 D02318603 70U1N048S104U FE-41164 G8652 G8744 GA1T040F103UA GA1T100F502UA-A GA2E056P102UA GA2G140F252UA-A GA2T044S103UA-B GPS8627 GS2T032F253BA GS4P048F503UC GS4T040F503UC GS8367B GS8819 9811405 RDC1010A12 JA3G032P501UA-A KJ5-M18MB60-AZS 27M226 9810825 9870706 F07008036 SPSN048P202U F65118112 GA2G042F103UA GA2M028S102MC GA2M028S502RA GA2T056F502UA GH8810 25M921 GS8368B CM47070 CR121250 31M573 380000M8643 385500M9303 388037M6962 388281M9646 388517025480039 388580038670069 388818078120022 388860073800031 388C11M9548 388C24160090003 389504075810001 389767001230861