

SPECIFICATIONS

ELECTRICAL

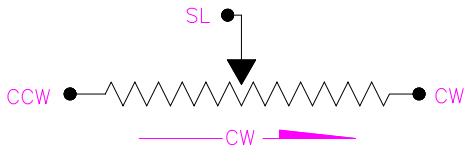
- RESISTANCE: 1K, ±10%
 - ELECTRICAL ANGLE: 340°
 - LINEARITY: INDEPENDENT, ±.5%
 - OUTPUT SMOOTHNESS: 0.1% MAX
 - RESISTANCE TEMPERATURE COEFFICIENT: ±400 PM/°C MAX
 - POWER RATING: 1.0 WATTS @ 70°C
 - DIELECTRIC STRENGTH: 1000 VRMS
 - INSULATION RESISTANCE: 100 MEGOHMS MIN
- MECHANICAL**
- ROTATION: CONTINUOUS 360°
 - TORQUE: .25 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

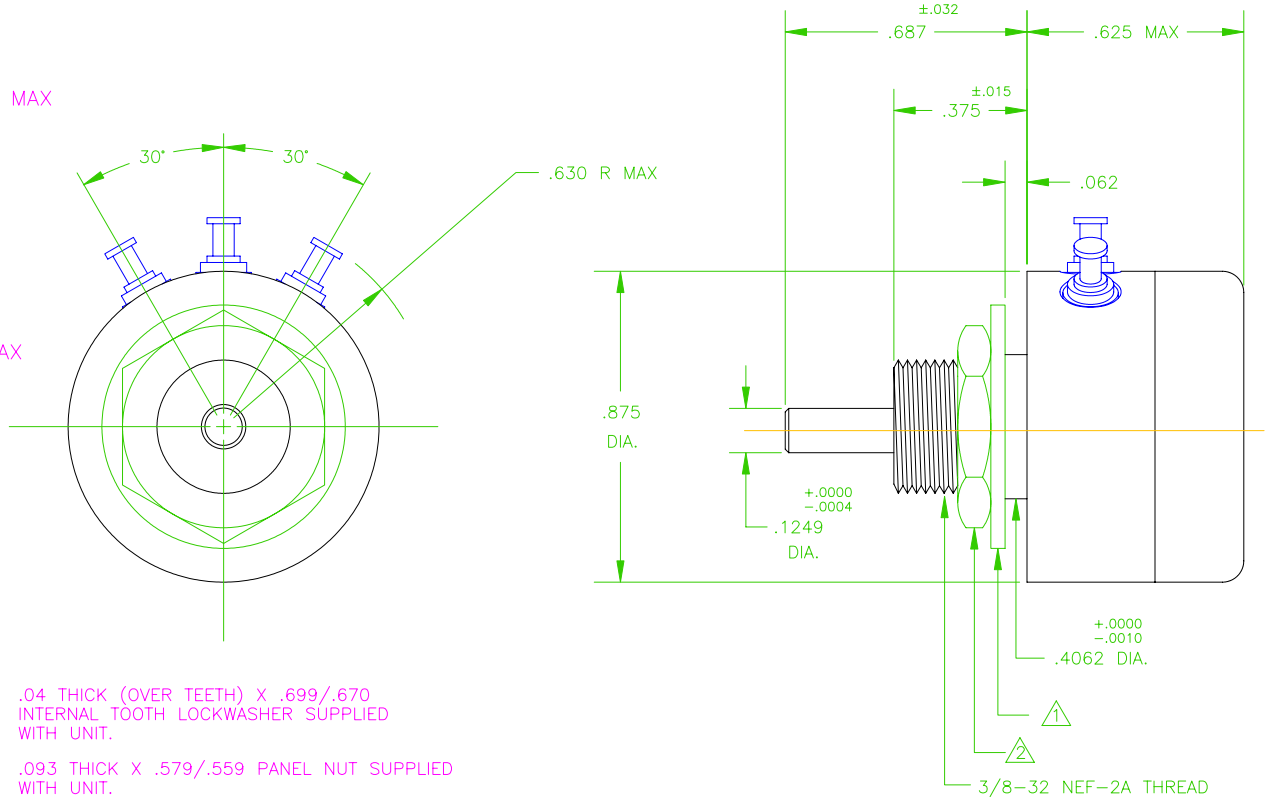
- HOUSING: ANODIZED ALUMINUM
- SHAFT: PASSIVATED CENTERLESS GROUND SST
- BEARINGS: PRECISION MINIATURE BALL
- ROTOR: BERYLLIUM COPPER
- CONTACTS: MULTIFINGER PRECIOUS METAL
- ELEMENT: CO-MOLDED CONDUCTIVE PLASTIC
- TERMINALS: GOLD PLATED

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



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ARE:	
±	.xx ± .01 ± 2'
	.xxx ± .005
MATERIAL	NOTED
FINISH	NOTED
NEXT ASSEMBLY	6209-1000 USED ON
APPLICATION	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASE	10/7/92	DARB
	B	7990-2954		



SPECTRUM SENSORS & CONTROLS		
GRASS VALLEY CALIFORNIA		
POTENTIOMETER		
SIZE	CAGE CODE	DWG NO.
B	5W885	6209-1000-030
SCALE: 3X	SHEET 1 OF 1	

CONTRACT No.	
APPROVALS	DATE
DRAWN	10/7/92
CHECKED	
ONE INCH	