

SPECIFICATIONS**ELECTRICAL**

RESISTANCE: 10K Ω \pm 10%
 ELECTRICAL ANGLE: 320° \pm 2°
 CONTINUITY ANGLE: 328°MIN
 LINEARITY: \pm 0.5% INDEPENDENT
 MINIMUM VOLTAGE: 0.1% MAX
 RESOLUTION: VIRTUALLY INFINITE
 OUTPUT SMOOTHNESS: 0.1% MAX
 RESISTANCE TEMPERATURE COEFFICIENT: \pm 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: 750 VRMS @ 60 Hz
 INSULATION RESISTANCE: 100 MEG OHMS @ 500 VDC

MECHANICAL

ROTATION: CONTINUOUS 360°
 WEIGHT: 0.5 OZ MAX

ENVIRONMENTAL

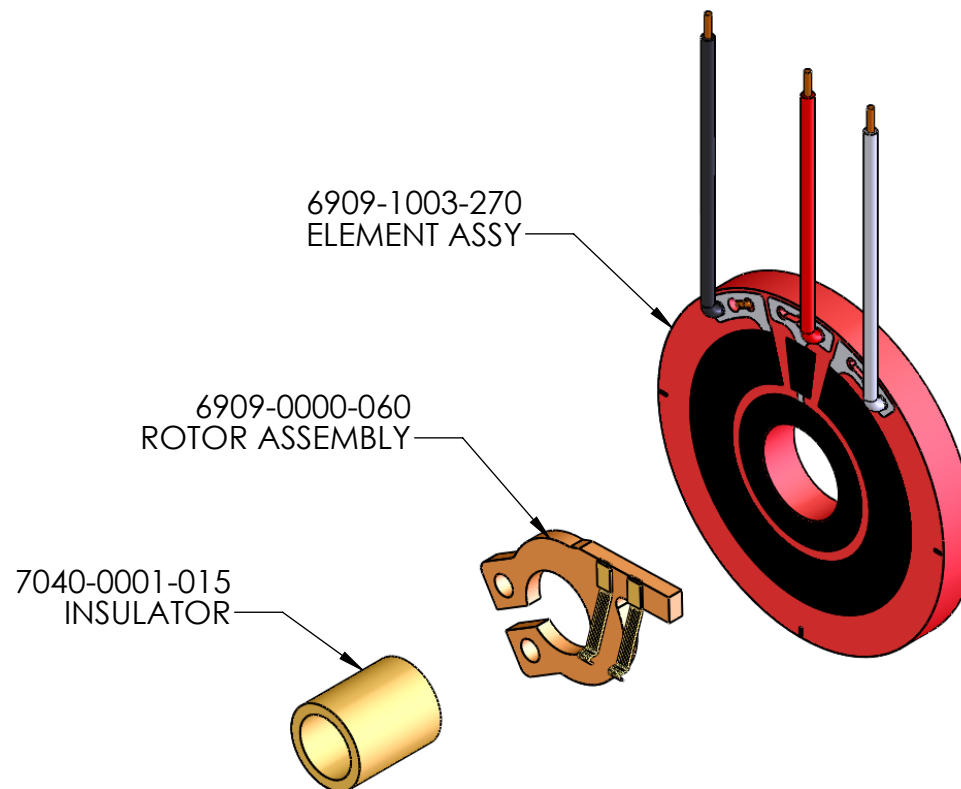
OPERATING TEMPERATURE: -65°C TO +125°C
 ROTATIONAL LIFE: 100 MILLION REVOLUTIONS MIN
 DITHER LIFE: 50 MILLION CYCLES @ 60HZ OVER 5°
 SHOCK: SAWTOOTH 100G PEAK PER MIL-STD-202
 METHOD 213, TEST CONDITION I
 VIBRATION: HIGH FREQ; SWEPT 10 - 2000HZ, 15G PEAK
 PER MIL-STD-202 TEST CONDITION B

MATERIALS

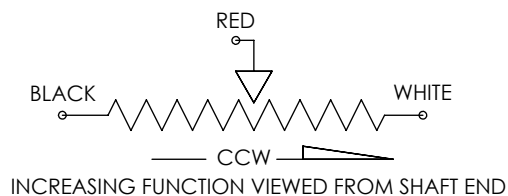
ROTOR: BERYLLIUM COPPER
 CONTACTS: MULTI-FINGER PRECIOUS METAL
 ELEMENT: CO-MOLDED CONDUCTIVE PLASTIC
 WIRES: 30AWG ETCHED TEFLON TYPE ET PER MIL-W-16878


CUSTOMER:	CATALOG
CUSTOMER DWG/REV:	N/A

CHANGE HISTORY				
REV	DESCRIPTION	DATE	DRAWN	APPROVED
A0	ECN 5300	1/12/15	KJS	JDD

**UNLESS OTHERWISE SPECIFIED**

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



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			DRAWN	K. SUPONCH			1/12/15		
			CHECKED	J. DAVIS	1/13/15				
			ENG APPR.	R. PRIVITT	1/13/15				
			MFG APPR.						
DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR ±2° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005 FOUR PLACE DECIMAL ±.0005	MATERIAL	NOTED	Information in this box is for Engineering Reference Only			POTENTIOMETER KIT			
	FINISH							Q.A.	
	DO NOT SCALE DRAWING		CAGE CODE	DWG. NO.					
			5W885	6909-1003-230					
			SHEET 1 OF 1						

measurement
SPECIALTIES™