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 ORATED; AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR
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NOTES:

1. SWITCH TYPE: PLANAR, SPST, MOMENTARY, NORMALLY OPEN, CASE GROUND.
2. CHARACTERISTICS:

d) PHYSICAL

WEIGHT: 0.6 GRAMS MAXIMUM.
 SWITCH IS HERMETICALLY SEALED: HELIUM LEAK RATE SHALL NOT
 EXCEED 1X 10⁻⁶ SCCS He AT ONE(1) ATMOSPHERE.
 (GROSS LEAK SHALL BE PERFORMED)
 CASE LEAD AND HEADER WELD STRENGTH: 5 POUNDS MINIMUM
 AXIAL PULL WITHOUT DAMAGE.
 SOLDERABILITY PER MIL-STD-202, METHOD 208 LESS AGING.
 LEAD FINISHES:
 INSULATED LEAD- GOLD
 CASE LEAD- TIN/LEAD

b) OPERATING

NO CLOSURE, STEADY ACCELERATION:
 CONTACTS SHALL BE OPEN AT ANY ACCELERATION LESS THAN
 75 g'S APPLIED IN ANY DIRECTION.
 CLOSURE, STEADY:
 CONTACTS SHALL BE CLOSED AT 160g'S OR MORE APPLIED
 IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Z_s
 IMPACT ACTUATION (PENDULUM SHOCK TEST)
 1.) CONTACTS SHALL NOT CLOSE WHEN SUBJECTED TO A
 HALF SINE, 7.0 MSEC DURATION INPUT PULSE WITH
 MAXIMUM PEAK OF 75 g'S APPLIED IN ANY DIRECTION.
 2.) CONTACTS SHALL CLOSE WHEN SUBJECTED TO A
 HALF SINE, 7.0 MSEC DURATION INPUT PULSE WITH
 MINIMUM PEAK OF 160 g'S APPLIED IN THE Y AXIS
 ACCELERATION SENSITIVE DIRECTION Y_s
 OPERATING LIFE: 19 TEST OPERATIONS, 1 SERVICE OPERATION
 STORAGE LIFE: 15 YEARS MINIMUM

3123-3-000

SHT. 2 OF 2

A

REVISIONS

ALT	DESCRIPTION	BY	CHK	ENG
A	SEE ECN3123-3-000A (SHTS. 1 & 2)	AHN		

c) ELECTRICAL

INSULATION RESISTANCE: 40 MEGOHMS MIN. @ 500 VDC
 CONTACT RESISTANCE: 10.0 OHMS MAX. @ 160 g'S STEADY STATE
 CURRENT CAPACITY: 1.0 AMP MAX. FOR 5 SEC. MAX.

d) ENVIRONMENTAL

TEMPERATURE RANGES:
 OPERATING: -65°F TO +185°F.
 NON-OPERATING: -65°F TO +221°F.
 THERMAL SHOCK: MIL-STD 331, TEST 113
 VIBRATION: LOWER OF,
 5.0 +/- 0.5 (PEAK) OR 0.15 +/- 0.02 INCH DA,
 10- 2000HZ, S AXES, 30 MIN, EACH AXIS
 SHOCK: 5500 +/- 500 g'S, 0.35 +/- 0.05 MSEC DURATION

QTY	ASSEMBLY	PART NO.	DESCRIPTION	REMARKS
			BILL OF MATERIAL	
			TITLE	
			IMPACT SWITCH, PLANAR	
			NORMALLY OPEN, 75g-160g	
			MATERIAL	
			FINISH	
			DO NOT SCALE DRAWING	
			UNLESS SPECIFIED	
			ANGLE 40°±30°	
			TOLERANCE 1/32	
			DEC. 00 ±.010	
			DEC. 000 ±.005	
			SCALE: NONE	
			WEIGHT: NOTED	
			DESIGNED BY: AHN	
			CHECKED BY: AHN	
			DATE: 10/21/06	
			DRAWING NO: 3123-3-000	
			SHEET 2 OF 2	
			REV: A	



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