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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
 80 g'S APPLIED IN ANY DIRECTION.
 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 80 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 200 g'S APPLIED IN THE Y AXIS
 ACCELERATION SENSITIVE DIRECTION Ys
 OPERATING LIFE: 19 TEST OPERATIONS, 1 SERVICE OPERATION
 STORAGE LIFE: 15 YEARS MINIMUM

3123-5-000

SHT. 2 OF 2

c) ELECTRICAL

INSULATION RESISTANCE: 40 MEGOHMS MIN. @ 500 VDC
 CONTACT RESISTANCE: 10.0 OHMS MAX. @ 200 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

REVISIONS			
ALT	DESCRIPTION	BY	CHK ENG
A	SEE ECN3123-5-000A (SHTS. 1&2) REV.A IS ORIGINAL RELEASE AS REQUESTED BY CUSTOMER	AHN 7/21/10	
B	SEE ECN 5123-5-000B	AHN 10/20/10	
C	SEE ECN 5123-5-000C	AHN 09/20/11	

REV#	REV#	PART NO.	DESCRIPTION	REMARKS
			BILL OF MATERIAL	
			TITLE IMPACT SWITCH PLANAR N.O.,80-200g	
			MATERIAL _____	
			FINISH _____	
			DO NOT SCALE DRAWING SHARP EDGES. REPORT DIMS. BREAK SPEC. MAKE ±0.30° TOLERANCE 1/32 DEC. .00 ±.010 129/	
			SCALE NONE	DATE 3/25/10
			NOTED	DRAWING NO. 3123-5-000
				SHEET 2 OF 2
				REV C



45-3 KNICKERBOCKER AVE.
 BOHEMIA, N.Y. 11716