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NOTES:

1. SWITCH TYPE: PLANAR, SPST, NORMALLY OPEN.

2. PHYSICAL CHARACTERISTICS:

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
2.1	WEIGHT	0.6 GRAMS MAX.	SCALE
2.2	SEAL	GROSS LEAK	MIL-STD-202, MTD 112 TEST CONDITION D
2.3	SOLDERABILITY	OMIT AGING	MIL-STD-202, MTD 208

3. OPERATING CHARACTERISTICS:

REF.	CHARACTERISTIC	REQUIREMENTS
3.1	NO CLOSURE, STEADY ACCELERATION	CONTACTS SHALL BE OPEN AT ANY ACCELERATION LESS THAN 40G APPLIED IN ANY DIRECTION
3.2	CLOSURE, STEADY	CONTACTS SHALL BE CLOSED AT 140G OR MORE APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Zs
3.3	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 40G APPLIED IN ANY DIRECTION. 2. CONTACTS SHALL CLOSE WHEN SUBJECTED TO A HALF-SINE 7.0 MSEC DURATION INPUT PULSE WITH MINIMUM PEAK OF 140G APPLIED IN THE X AXIS ACCELERATION SENSITIVE DIRECTION, Xs.
3.4	OPERATING LIFE	19 TEST OPERATIONS, 1 SERVICE OPERATION
3.5	STORAGE LIFE	15 YEARS MINIMUM

3157-2-000

SHEET 2 OF 2

REVISONS		BY	CHK	ENG
ALT	DESCRIPTION			

NOTES: (CONTINUED)

4. ELECTRICAL CHARACTERISTICS:

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
4.1	INSULATION RESISTANCE	40 MEGOHMS MINIMUM @ 500 VDC	MIL-STD-202, MTD 302
4.2	CONTACT RESISTANCE	10 OHMS MAX. @ 0.05 AMP	(@ 140g STEADY) MIL-STD-202, MTD 307


5. ENVIRONMENTAL CHARACTERISTICS:

REF.	CHARACTERISTIC	REQUIREMENTS
5.1	OPERATING TEMPERATURE	-65°F TO +165°F
5.2	STORAGE TEMPERATURE	-65°F TO +185°F
5.3	VIBRATION	LOWER OF 5.0 +/- 0.5 (PEAK) OR 0.15 +/- 0.02 INCH DA, 10-2000 Hz, 3 AXES, 30 MINUTES EACH AXIS
5.4	SHOCK	5500g +/- 500g 0.35 +/- 0.05 MSEC DURATION

REV	DATE	PART NO.	DESCRIPTION	REMARKS
			BILL OF MATERIAL	

MATERIAL  
 FINISH  
 \_\_\_\_\_

TITLE  
 IMPACT SWITCH  
 PLANAR  
 N.O., 40g-140g

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

DO NOT SHALE DRAWING  
 REMOVE BURRS, BREAK SHARP EDGES  
 TOLERANCES UNLESS SPECIFIED ARE ± .005  
 DIMENSIONS UNLESS OTHERWISE SPECIFIED  
 FINISH UNLESS OTHERWISE SPECIFIED

REV	DATE	BY	CHK	ENG