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- NOTES:  
 1. SWITCH TYPE: UNIDIRECTIONAL, SPST, NORMALLY OPEN, NON-LATCHING.  
 2. PHYSICAL CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
2.1	WEIGHT	2.0 GRAMS MAX.	SCALE
2.2	SEAL a) HERMETIC b) GROSS	1X10 <sup>-6</sup> SCCS He@1ATM MAX.	MIL-STD-202, TEST METHOD 112, TEST CONDITION C, PROC.111A MIL-STD-750 METHOD 1071 TEST CONDITION D
2.3	TERMINAL STRENGTH	3 LBS. MIN. AXIAL PULL	MIL-STD-202, MTD 211, TEST CONDITION A
2.4	SOLDERABILITY	OMIT AGING	MIL-STD-202, MTD 208
2.5	MARKING	EPOXY INK UNIT IDENTIFICATION	VISUAL

3. OPERATING CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS
3.1	CLOSING ACCELERATION THRESHOLD	CONTACTS SHALL BE OPEN AT 1.5 G'S OR LESS, APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Z CONTACTS SHALL BE CLOSED AT ANY ACCELERATION MORE THAN .5 G'S
3.2	OPERATING LIFE	500,000 OPERATIONS
3.3	STORAGE LIFE	15 YEARS MIN.

4. ELECTRICAL CHARACTERISTICS

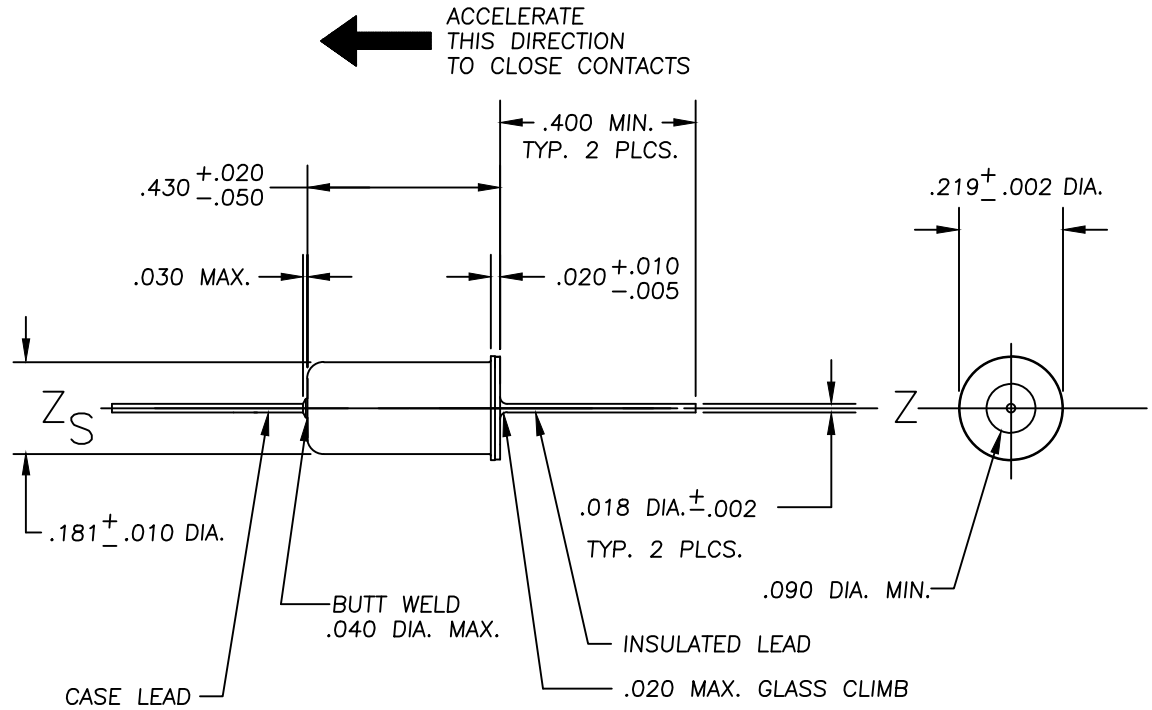
REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
4.1	INSULATION RESISTANCE	30 MEGOHMS MIN. @ 500 VDC	MIL-STD-202, MTD 302 TEST CONDITION B
4.2	CONTACT RESISTANCE	50 OHMS MAX. @ 1.0 MILLIAMPERES	
4.3	CURRENT	0.05 AMP CONTINUOUS	

5. ENVIRONMENTAL CAPABILITY

REF.	CHARACTERISTIC	TEST METHOD
5.1	OPERATING TEMPERATURE	-54°C TO +85°C, 2 HOUR MINIMUM SOAK
5.2	TEMPERATURE HUMIDITY CYCLING	MIL-STD-331, TEST 105.1 (4 DAY TOTAL)
5.3	VIBRATION	RANDOM ON RANDOM PER MIL-STD-810E, TABLE 514.4-AX
5.4	SHOCK	HALF SINE SHOCK OF 80.0 G'S FOR 2.5 ms AND 50.0 G'S FOR 11.0 ms

3131-1-000

REVISIONS				
ALT	DESCRIPTION	BY	CHK	ENG
A	SEE ECN3131-1-000A	AHN	1/9/09	



ITEM NO.	NO. REQ'D	PART NO.	DESCRIPTION	REMARKS
BILL OF MATERIAL				
MATERIAL			TITLE	
FINISH			ACCELERATION SWITCH, NORMALLY OPEN 2.0G	
DO NOT SCALE DRAWING REMOVE BURRS, BREAK SHARP EDGES. TOLERANCE UNLESS SPECIFIED: FRACT: ±1/64 ANGLE ±0°30' MACH FINISH: 125 ✓ DEC: .00 ±.010 RMS DEC: .000 ±.005			45-3 KNICKERBOCKER AVE. BOHEMIA, N.Y. 11716	
NO. REQ'D	N/A	NO. REQ'D	N/A	SCALE: 1:1
				WEIGHT: NOTED
				DRAWN CHECKED: AHN 9/5/03
				ENGINEER APPROVED: [Signature]
				DRAWING NO. 3131-1-000
				REV A
				DATE SHEET 1 OF 1