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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<br>a) HERMETIC<br>b) GROSS | 1X10 <sup>-6</sup> SCES H <sub>2</sub> O/ATM MAX. | ML-STD-202, TEST METHOD 112, TEST CONDITION C, PROC. 111A<br>ML-STD-750 METHOD 1071 TEST CONDITION B |
| 2.3  | TERMINAL STRENGTH               | 3 LBS. MIN. AXIAL PULL                            | ML-STD-202, MTD 271, TEST CONDITION A  |
| 2.4  | SOLDERABILITY                   | DMT AGING   | ML-STD-205, MTD 208  |
| 2.5  | MARKING                         | EPOXY INK UNIT IDENTIFICATION                     | VISUAL   |

3. OPERATING CHARACTERISTICS

| REF. | CHARACTERISTIC                 | REQUIREMENTS   |
|------|--------------------------------|--|
| 3.1  | CLOSING ACCELERATION THRESHOLD | CONTACTS SHALL BE CLOSED AT ANY ACCELERATION MORE THAN 3.5 G'S.<br>CONTACTS SHALL BE OPEN AT 1.5 G'S OR LESS, APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Z |
| 3.2  | OPERATING LIFE                 | 500,000 OPERATIONS   |
| 3.3  | STORAGE LIFE                   | 15 YEARS MIN.  |

4. ELECTRICAL CHARACTERISTICS

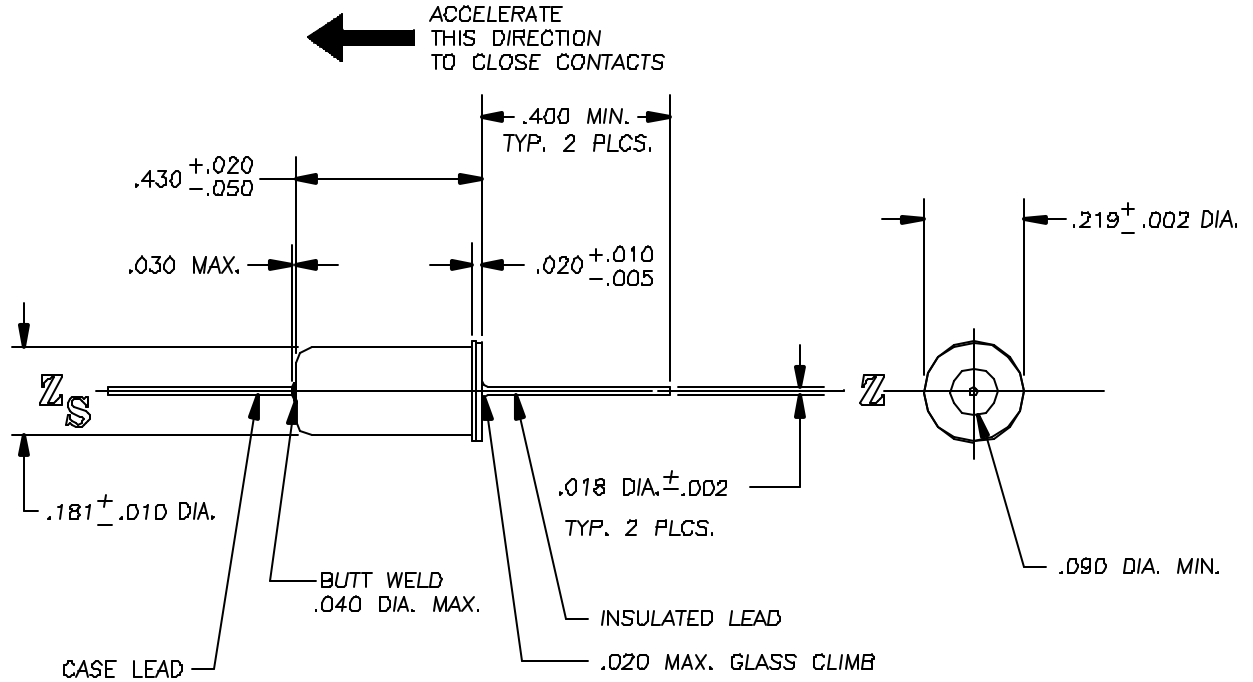
| REF. | CHARACTERISTIC        | REQUIREMENTS                       | TEST METHOD                          |
|------|-----------------------|------------------------------------|--------------------------------------|
| 4.1  | INSULATION RESISTANCE | 30 MEGOHMS MIN.<br>@ 500 VDC       | ML-STD-202, MTD 302 TEST CONDITION B |
| 4.2  | CONTACT RESISTANCE    | 50 OHMS MAX.<br>@ 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 | ML-STD-331, TEST 100.1 (4 DAY TOTAL)                            |
| 5.3  | VIBRATION                    | RANDOM ON RANDOM PER ML-STD-810C TABLE 514.4-AK                 |
| 5.4  | SHOCK                        | HALF SINE SHOCK OF 80.0 G'S FOR 2.5 ms AND 50.0 G'S FOR 11.0 ms |

| REVISIONS |             |    |     |     |
|-----------|-------------|----|-----|-----|
| ALT       | DESCRIPTION | BY | CHK | ENG |
|           |             |    |     |     |

3131-1-000



| ITEM  | NO. REQ'D | PART NO.                          | DESCRIPTION | REMARKS      |     |
|---|-----------|-----------------------------------|-------------|--------------|-----|
| BILL OF MATERIAL  |           |                                   |             |              |     |
| MATERIAL  |           | TITLE                             |             |              |     |
| FINISH  |           | ACCELERATION SWITCH NORMALLY OPEN |             |              |     |
| DO NOT SCALE DRAWING REMOVE BURRS BREAK SHARP EDGES TOLERANCES UNLESS SPECIFIED: FRACT: ±1/64 ANGLE: ±0.30° MACH FINISH: 125 R/R DEC: .00 ±.010 DEC: .000 ±.005 |           | NO. REQ'D                         | N/A         | NO. REQ'D    | N/A |
|   |           | SCALE:                            | 1:1         | DATE         |     |
|   |           | WEIGHT:                           | NOTED       | DATE         |     |
|   |           | APPROVED                          | DATE        | SHEET 1 OF 1 |     |

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

select controls Inc.

9/8/03

DRAWING NO. 3131-1-000

REV