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3138-1-000

REVISIONS				
ALT	DESCRIPTION	BY	CHK	ENG
A	SEE ECN 3138-1-000A	AHN		

- NOTES:  
 1. SWITCH TYPE UNIDIRECTIONAL, SPST, NORMALLY CLOSED, 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> SECS H <sub>2</sub> O @ 1ATM MAX.	MIL-STD-883, TEST METHOD 1014.9, TEST CONDITION A1 MIL-STD-750 METHOD 1071 TEST CONDITION D
2.3	TERMINAL STRENGTH	3 LBS. MIN. AXIAL PULL	MIL-STD-202, MTD 271, TEST CONDITION A
2.4	SOLDERABILITY	OMIT AGING	MIL-STD-202, MTD 208
2.5	MARKING	FEL ELECTRONICS PART NO. & LOT NO.	VISUAL

3. OPERATING CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS
3.1	OPENING ACCELERATION THRESHOLD	CONTACTS SHALL BE CLOSED AT ANY ACCELERATION LESS THAN 1.5G'S CONTACTS SHALL BE OPEN AT 2.0G'S OR MORE APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Z
3.2	OPERATING LIFE	500,000 OPERATIONS
3.3	STORAGE LIFE	15 YEARS MIN.

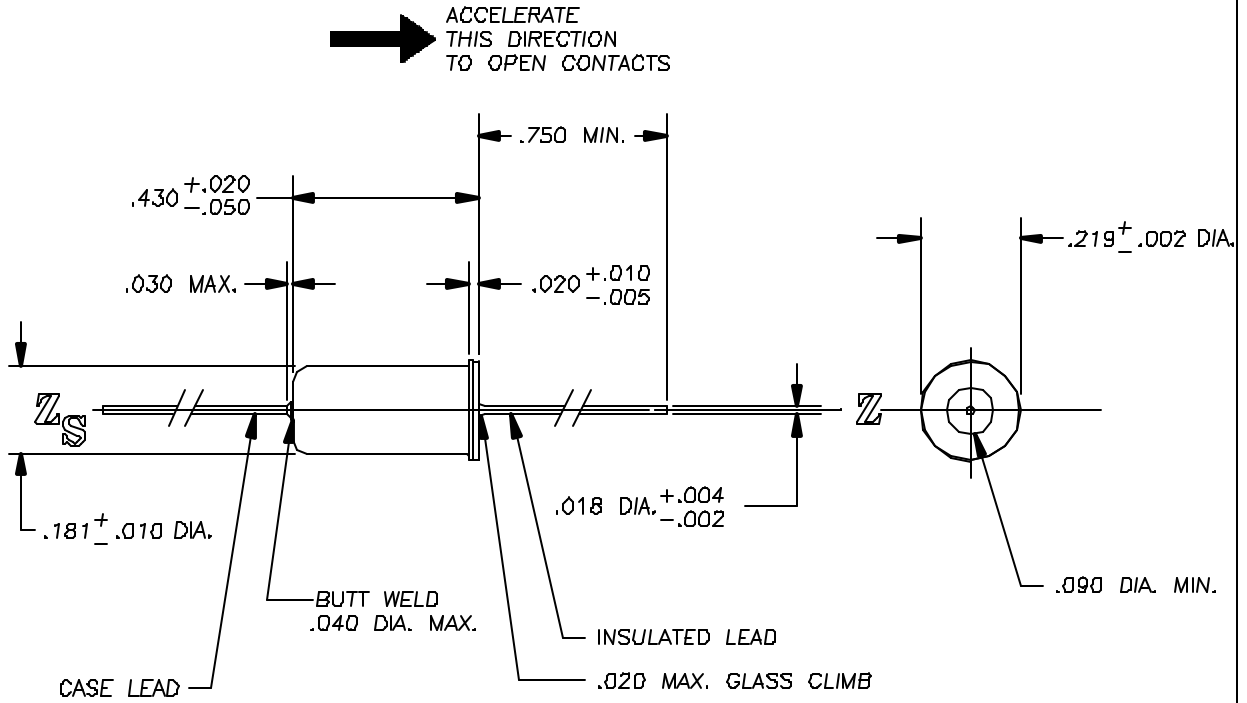
4. ELECTRICAL CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
4.1	INSULATION RESISTANCE	30 MEGOHMS MIN. @ 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- 810C, TABLE 514A-AX
5.4	SHOCK	HALF SINE SHOCK OF 80.0 G'S FOR 2.0 ms AND 50.0 G'S FOR 11.0 ms

Ⓐ B. MOUNTING OF THIS SWITCH- USE SCI P/N SK011500.



MATERIAL	TITLE	45-3 KNICKERBOCKER AVE. BOHEMIA, N.Y. 11716	
FINISH	ACCELERATION SWITCH, NORMALLY CLOSED, 2.0G	SCALE: 4:1	DATE: 7/8/04
DO NOT SCALE DRAWING REMOVE BURRS, BREAK SHARP EDGES TOLERANCES UNLESS SPECIFIED: FRACT: ±1/64 ANGLE: ±0.30° MACH FINISH: 125/ DEC: .00 ±.010 RFS ✓ DEC: .000 ±.005	NO. REV'D	N/A	NO. REV'D
		N/A	
		WEIGHT: NOTED	DESIGNER: AHN
			DATE: 7/8/04
			DRAWING NO. 3138-1-000
			REV A
			SHEET 1 OF 1