

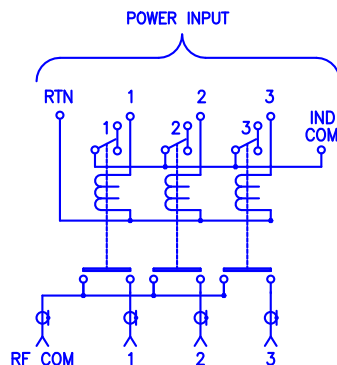
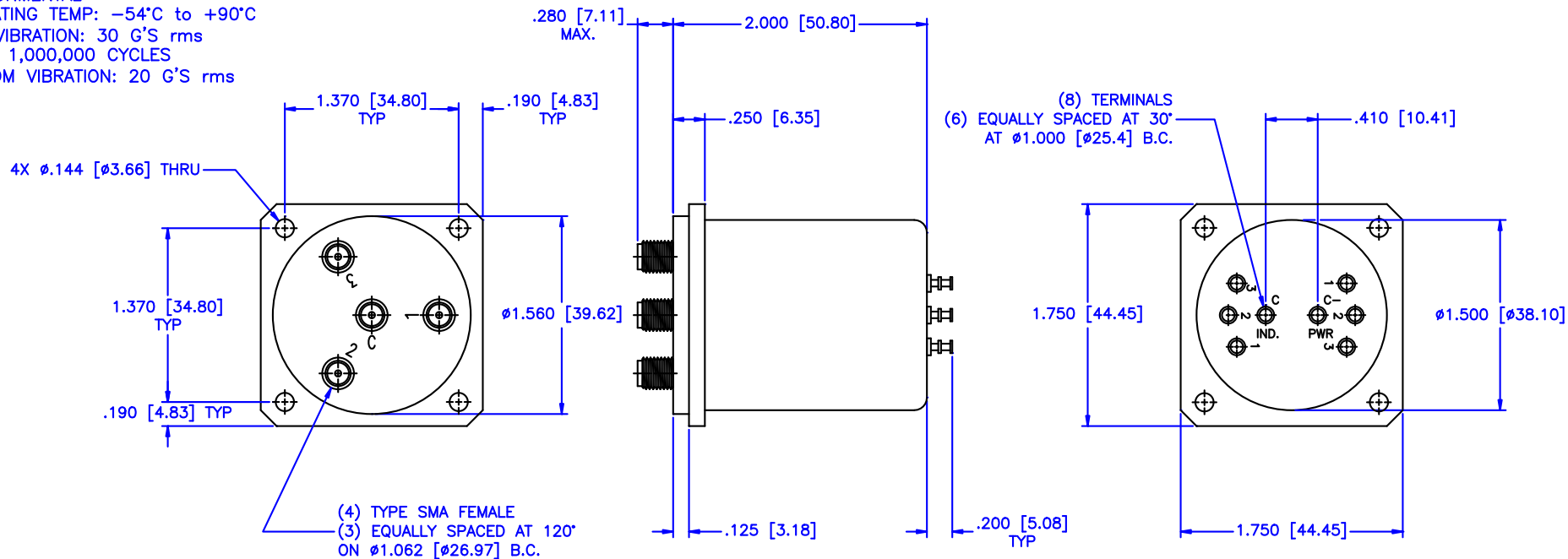
MECHANICAL  
CONTACT: BREAK BEFORE MAKE  
ACTUATOR: MOMENTARY  
SWITCHING SPEED: 20 mSEC MAX

ELECTRICAL  
ACTUATOR VOLTAGE:  $12 \pm 3.0$  Vdc  
ACTUATOR CURRENT: 0.250 A MAX @ 12.0 Vdc  
POWER HANDLING: 200 WCW @ 1.0 GHz

ENVIRONMENTAL  
OPERATING TEMP:  $-54^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$   
SINE VIBRATION: 30 G'S rms  
LIFE : 1,000,000 CYCLES  
RANDOM VIBRATION: 20 G'S rms

SPECIFICATION:

| FREQUENCY RANGE (GHz): | DC-2.0 | 2.0-4.0 | 4.0-8.0 | 8.0-12.4 | 12.4-18.0 |
|------------------------|--------|---------|---------|----------|-----------|
| VSWR (Max.):           | 1.20:1 | 1.25:1  | 1.30:1  | 1.40:1   | 1.50:1    |
| INSERTION LOSS (dB):   | 0.20   | 0.25    | 0.30    | 0.40     | 0.50      |
| ISOLATION (dB):        | 90     | 80      | 80      | 70       | 60        |
| IMPEDANCE (Ohms):      | 50     | 50      | 50      | 50       | 50        |



|                           |  |
|---------------------------|--|
| MATERIAL:                 |  |
| DRAWN: Paiboon Luekhamhan |  |
| DATE: 03-17-2011          |  |
| APPROVED: T. Nguyen       |  |
| DATE: 03-17-2011          |  |

|                                                                                                                                                                          |  |                        |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|----------|
| <b>MCLI</b> MICROWAVE COMMUNICATIONS LABORATORIES INC.<br>7255 30TH AVE. N. SAINT PETERSBURG, FL 33710<br>TEL: (727) 344-6254 FAX: (727) 381-6116<br>http://WWW.MCLI.COM |  | SCALE: N/A             |          |
| UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm 1/64$<br>DECIMALS: $\pm 0.01 \pm 0.005$<br>ANGLE: $\pm 1/2^{\circ}$    |  | SHEET: N/A             |          |
| DRAWING TITLE:<br>ELECTROMECHANICAL SWITCHES                                                                                                                             |  | PART NO.<br>A3-7-MI/12 |          |
| CAGE CODE: OD2L5                                                                                                                                                         |  | SIZE: N/A              | REV: N/A |
| DO NOT SCALE THE DRAWING                                                                                                                                                 |  | DWG NO. 85583          |          |