

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

ELECTRICAL  
ACTUATOR VOLTAGE:  $28.0 \pm 3.0$  Vdc  
ACTUATOR CURRENT: 0.450 A MAX @ 28.0 Vdc  
POWER HANDLING: 350 W CW @ 1.0 GHz  
IMPEDANCE: 50 OHMS

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

| LOGIC TRUTH TABLE |              |    |    |    |
|-------------------|--------------|----|----|----|
| RF PATH           | LOGIC SIGNAL |    |    |    |
|                   | T1           | T2 | T3 | T4 |
| 1-C               | 1            | 0  | 0  | 0  |
| 2-C               | 0            | 1  | 0  | 0  |
| 3-C               | 0            | 0  | 1  | 0  |
| 4-C               | 0            | 0  | 0  | 1  |

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |

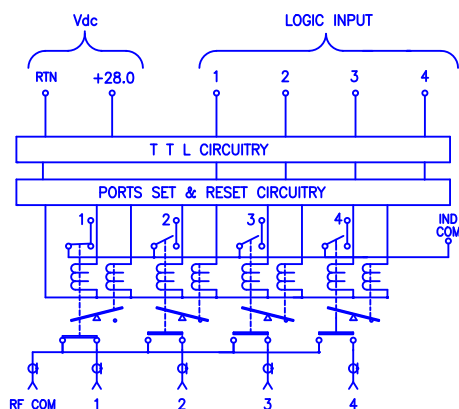
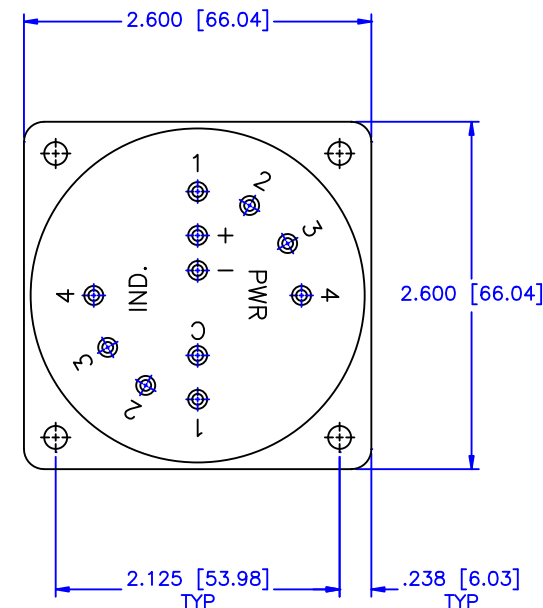
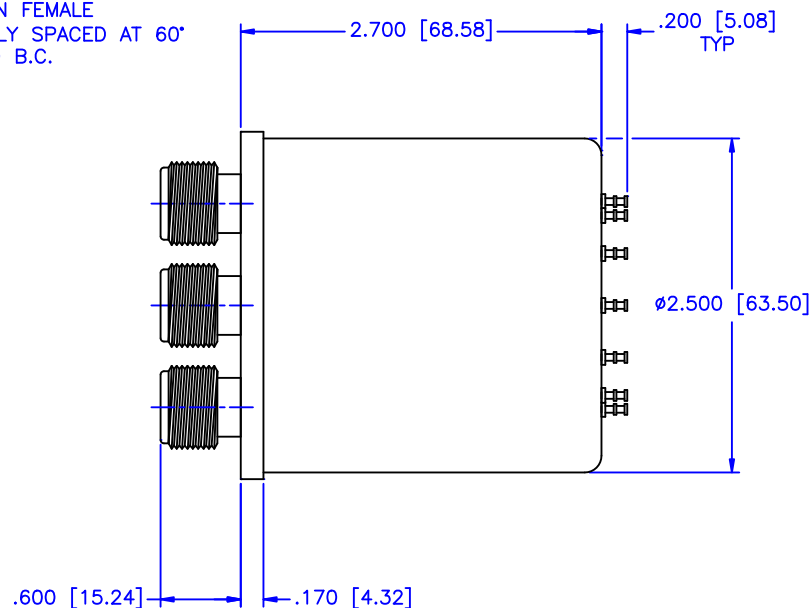
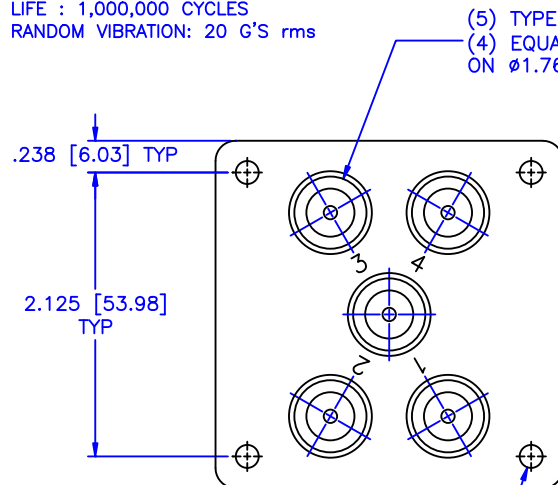
SPECIFICATION:

FREQUENCY RANGE (GHz): DC-2.0

VSWR (Max.): 1.20:1

INSERTION LOSS (dB): 0.20

ISOLATION (dB): 90



|                           |  |                                                                                                                                                                          |  |                                              |
|---------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------|
| MATERIAL:                 |  | <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                                   |
| DRAWN: Paiboon Luekhamhan |  | DATE: 04-06-2001                                                                                                                                                         |  | DRAWING TITLE:<br>ELECTROMECHANICAL SWITCHES |
| APPROVED: T. Nguyen       |  | DATE: 04-06-2001                                                                                                                                                         |  |                                              |
|                           |  | THIRD ANGLE PROJECTION                                                                                                                                                   |  | PART NO.<br>D4-2-LIL                         |
|                           |  | CAGE CODE: OD2L5                                                                                                                                                         |  |                                              |
|                           |  | SIZE: N/A                                                                                                                                                                |  | DWG NO.<br>81724                             |
|                           |  | REV: B                                                                                                                                                                   |  |                                              |
|                           |  | DO NOT SCALE THE DRAWING                                                                                                                                                 |  |                                              |