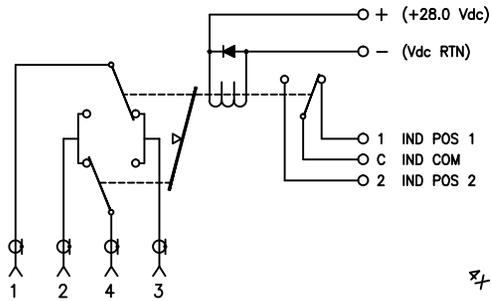
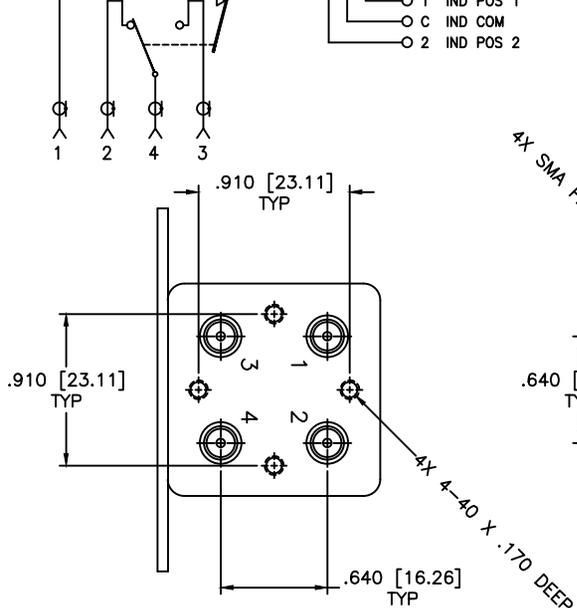


**SCHEMATIC**  
FAILSAFE, INDICATOR, SUPPRESSION DIODE



POS 1 NORMALLY CLOSED  
POS 1 { 1-3 & 2-4 }  
POS 2 { 1-2 & 3-4 }



**SPECIFICATIONS**

FREQUENCY RANGE: DC-4.0 GHz  
VSWR: 1.25:1 MAX.  
INSERTION LOSS: 0.25dB MAX.  
ISOLATION: 80dB MIN.

**MECHANICAL**

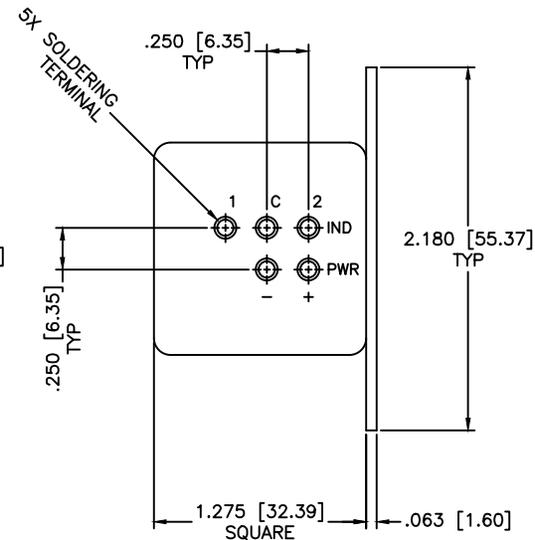
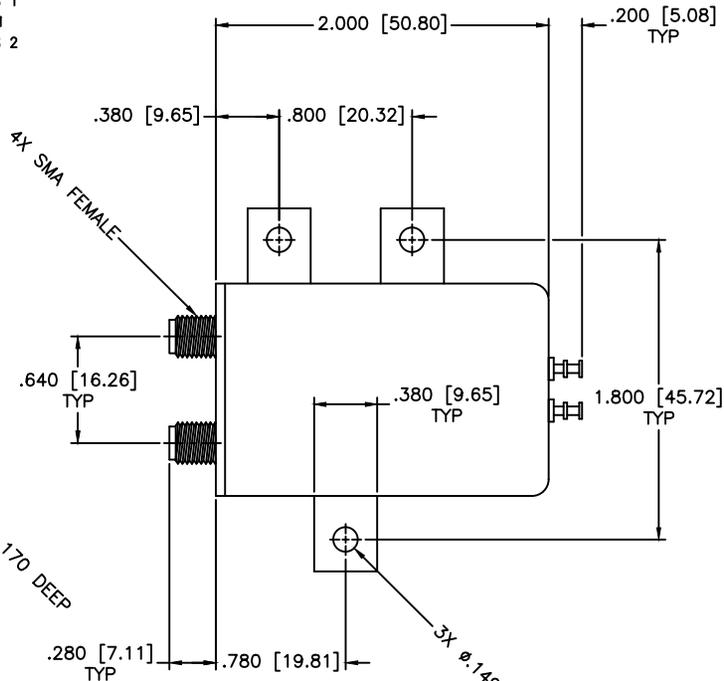
CONTACT: BREAK BEFORE MAKE  
ACTUATOR: FAILSAFE  
SWITCHING SPEED: 20 mSEC MAX

**ELECTRICAL**

ACTUATOR VOLTAGE: 28.0±3.0 Vdc  
ACTUATOR CURRENT: 190mA MAX @ 28.0 Vdc  
POWER HANDLING: 200W CW @ 1.0GHz  
IMPEDANCE: 50 Ohms

**ENVIRONMENTAL**

OPERATING TEMP: -54°C to +90°C  
SINE VIBRATION: 30 G'S rms  
LIFE: 1,000,000 CYCLES  
RANDOM VIBRATION: 20 G'S rms



| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |
|           |     |             |      |          |

|                              |                     |
|------------------------------|---------------------|
| MATERIAL:                    |                     |
| DRAWN:<br>Paiboon Luekhamhan | DATE:<br>05-16-2013 |
| APPROVED:<br>T. Nguyen       | DATE:<br>05-16-2001 |



MICROWAVE COMMUNICATIONS LABORATORIES INC.  
7255 30TH AVE. N. SAINT PETERSBURG, FL 33710  
TEL: (727) 344-6254 FAX: (727) 381-6116  
http://WWW.MCLI.COM

|        |     |
|--------|-----|
| SCALE: | N/A |
| SHEET: | N/A |

UNLESS OTHERWISE SPECIFIED:  
TOLERANCES  
IN (INCHES) OR [mm] (MILLIMETERS)  
FRACTIONS: ± 1/64  
DECIMALS: ± .02 ± .009  
ANGLE: ± 1/2°

DRAWING TITLE:  
**ELECTROMECHANICAL SWITCHES**

PART NO.  
**C1-3-FIS**

THIRD ANGLE PROJECTION

|                          |              |             |                  |
|--------------------------|--------------|-------------|------------------|
| CAGE CODE:<br>OD2L5      | SIZE:<br>N/A | REV:<br>N/A | DWG NO.<br>86281 |
| DO NOT SCALE THE DRAWING |              |             |                  |