

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**SPECIFICATIONS**

FREQUENCY RANGE (GHz): DC-2 2-4 4-8 8-12.4

VSWR (Max.): 1.20:1 1.25:1 1.30:1 1.40:1

INSERTION LOSS (dB): 0.20 0.25 0.30 0.40

ISOLATION (dB): 90 80 80 70

**MECHANICAL**

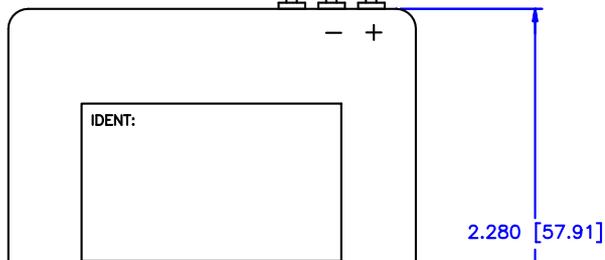
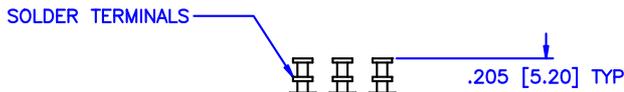
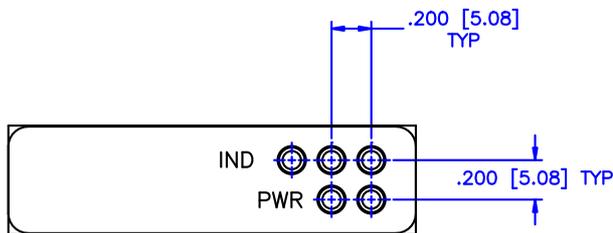
CONTACT: BREAK BEFORE MAKE  
 ACTUATOR: FAILSAFE  
 SWITCHING SPEED: 20 mSEC MAX

**ELECTRICAL**

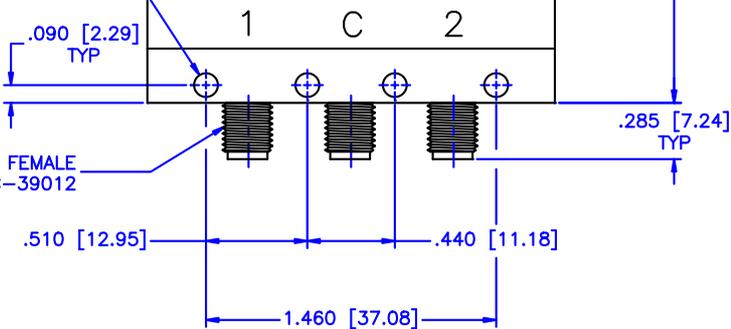
ACTUATOR VOLTAGE: 28.0 Vdc  
 ACTUATOR CURRENT: 0.100 A MAX @ 28.0 Vdc  
 POWER HANDLING: 200W CW @ 1.0 GHz  
 IMPEDANCE: 50 Ohms

**ENVIRONMENTAL**

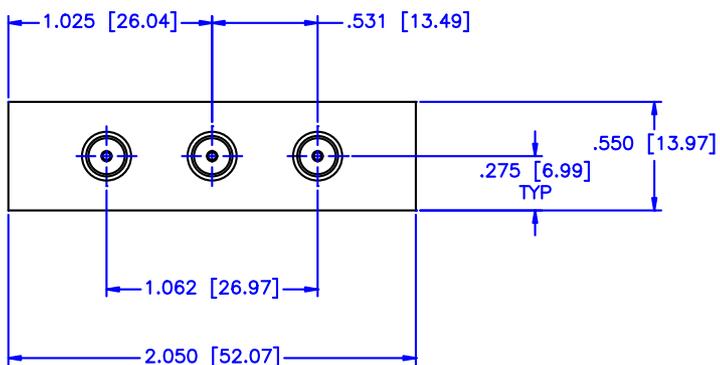
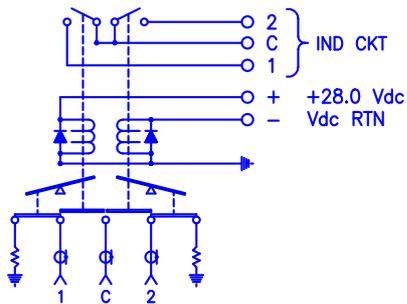
OPERATING TEMP: -54° C TO +90° C  
 SINE VIBRATION: 30 G'S rms  
 LIFE: 1,000,000 CYCLES  
 RANDOM VIBRATION: 20 G'S rms



(4)  $\phi$ .120 [ $\phi$ 3.05] THRU



(3) SMA FEMALE PER MIL-C-39012



MATERIAL:	
DRAWN: Paiboon Luekhamhan	DATE: 04-03-2001
APPROVED: T. Nguyen	DATE: 04-03-2001



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:  $\pm 1/64$   
 DECIMALS:  $\pm .01 \pm .005$   
 ANGLE:  $\pm 1/2^\circ$

DRAWING TITLE: ELECTROMECHANICAL SWITCHES			
PART NO. K4-6-FIS			
CAGE CODE: OD2L5	SIZE: A	REV: N/A	DWG NO. 82324
DO NOT SCALE THE DRAWING			

