

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

FREQUENCY RANGE (GHz): DC-2 2-4
 VSWR (Max.): 1.20:1 1.25:1
 INSERTION LOSS (dB): 0.20 0.25
 ISOLATION (dB): 90 80

MECHANICAL

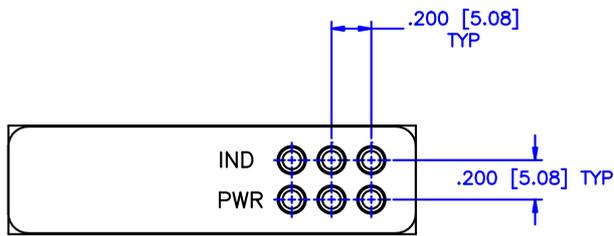
CONTACT: BREAK BEFORE MAKE
 ACTUATOR: LATCHING
 SWITCHING SPEED: 20 mSEC MAX

ELECTRICAL

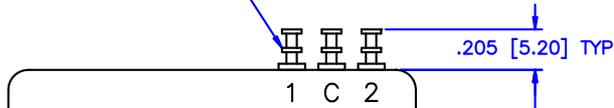
ACTUATOR VOLTAGE: 12.0±3.0 Vdc
 ACTUATOR CURRENT: 0.100 A MAX @ 12.0 Vdc
 POWER HANDLING: 200W CW @ 1.0 GHz
 IMPEDANCE: 50 Ohms

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



SOLDER TERMINALS



(4) Ø.120 [Ø3.05] THRU

.090 [2.29] TYP

(3) SMA FEMALE PER MIL-C-39012

.510 [12.95]

.440 [11.18]

1.460 [37.08]

1.025 [26.04]

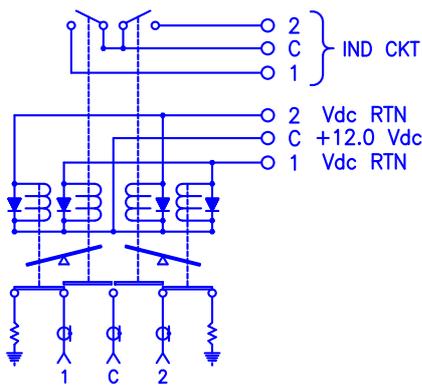
.531 [13.49]

.550 [13.97]

.275 [6.99] TYP

1.062 [26.97]

2.050 [52.07]



MATERIAL:	
DRAWN: Paiboon Luekhamhan	DATE: 02-23-2009
APPROVED: T. Nguyen	DATE: 02-23-2009

MCLI MICROWAVE COMMUNICATIONS LABORATORIES INC.
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UNLESS OTHERWISE SPECIFIED:
 TOLERANCES
 IN (INCHES) OR [mm] (MILLIMETERS)
 FRACTIONS: ± 1/64
 DECIMALS: ±.01 ±.005
 ANGLE: ±1/2°

PROPRIETARY NOTICE:
 THE INFORMATION IN THIS DRAWING IS PROPRIETARY
 AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN
 PERMISSION FROM MICROWAVE COMMUNICATIONS
 LABORATORIES INC. (MCLI)

THIRD ANGLE PROJECTION

SCALE:	N/A
SHEET:	N/A
DRAWING TITLE:	ELECTROMECHANICAL SWITCHES
PART NO.:	K4-3-LIS/12P
CAGE CODE:	OD2L5
SIZE:	A
REV:	N/A
DWG NO.:	84180
DO NOT SCALE THE DRAWING	