SPECIFICATIONS

FREQUENCY RANGE (GHz):	DC–2	2–4	4–8	8–12.4	12.4–18
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

MECHANICAL

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

ELECTRICAL

ACTUATOR VOLTAGE: 12.0 Vdc
ACTUATOR CURRENT: 0.110 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

PINS DESIGNATION

PIN NO.	APPLICATIONS	FUNCTION
PIN #1	+12.0 Vdc	RF POS 1
PIN #2	+12.0 Vdc	RF POS 2
PIN #3	SPARE	NONE
PIN #4	Vdc RTN	SUPPLY
PIN #5	+12.0 Vdc	SUPPLY
PIN #6	INDICATOR	IND. POS 1
PIN #7	INDICATOR	IND. POS 2
PIN #8	INDICATOR	IND. COMMON
PIN #9	SPARE	NONE

9 PINS D–SUB CONNECTOR

PIN #1

PIN #9

.298 [7.57] TYP

2.280 [57.91]

IDENT:

(4) ⌀.120 [⌀3.05] THRU

.090 [2.29] TYP

1   C   2

.285 [7.24] 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]

TTL CIRCUITRY

D-SUB CONN. 9PINS

5
9
4
8
3
2
7
6
1

1   C   2

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

DRAWING TITLE:
ELECTROMECHANICAL SWITCHES

PART NO.
K4–7–LIL/12/D

DRAWN: Paiboon Luekhamhan	DATE: 08–04–2011					
APPROVED: T. Nguyen	DATE: 08–04–2011	THIRD ANGLE PROJECTION	CAGE CODE: 0D2L5	SIZE: A	REV: N/A	DWG NO. 85805
				DO NOT SCALE THE DRAWING		