



REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
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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: 28.0±3.0 Vdc

ACTUATOR CURRENT: 0.100 A MAX @ 28.0 Vdc

POWER HANDLING: 200W CW @ 1.0 GHz

IMPEDANCE: 50 Ohms

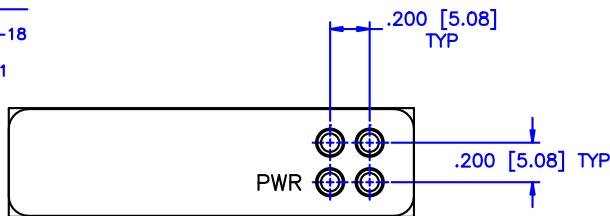
ENVIRONMENTAL

OPERATING TEMP: -54° C TO +90° C

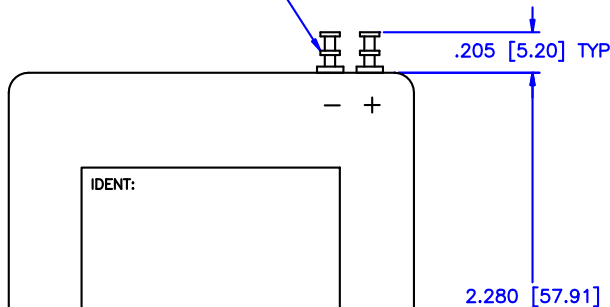
SINE VIBRATION: 30 G'S rms

LIFE: 1,000,000 CYCLES

RANDOM VIBRATION: 20 G'S rms



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]

2.280 [57.91]

.285 [7.24]
TYP

1.025 [26.04]

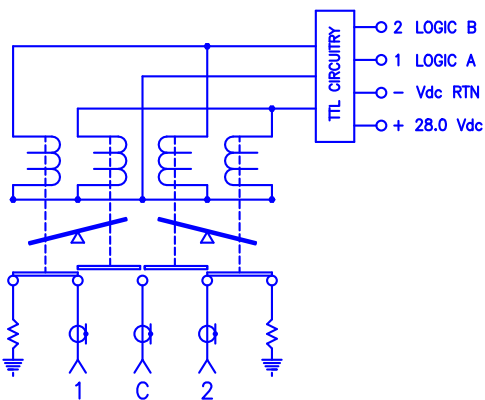
.531 [13.49]

.550 [13.97]

.275 [6.99]
TYP

1.062 [26.97]

2.050 [52.07]



MATERIAL:

MCLIMICROWAVE 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: ±.01 ±.005
ANGLE: ±1/2°

DRAWING TITLE:

ELECTROMECHANICAL SWITCHES

PART NO.

K4-7-LL

DRAWN:

Paiboon Luekhamhan

DATE:

11-07-2007

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)

CAGE CODE:

OD2L5

SIZE:

A

REV:

N/A

DWG NO.

82985

APPROVED:

T. Nguyen

DATE:

11-07-2007

DO NOT SCALE THE DRAWING

