

# MECHANICAL

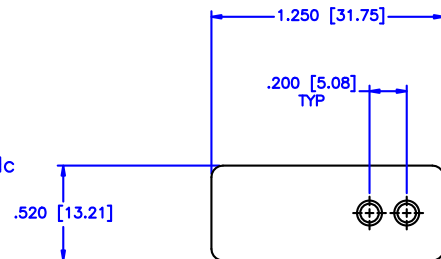
CONTACT: BREAK BEFORE MAKE  
ACTUATOR: FAILSAFE  
SWITCHING SPEED: 20 mSEC MAX

# ELECTRICAL

ACTUATOR VOLTAGE: 12.0 Vdc  
ACTUATOR CURRENT: 0.100 A MAX @ 28.0 Vdc  
POWER HANDLING: 200W CW @ 1.0 GHz

# 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



SOLDERING TERMINALS

2X Ø.120 [Ø3.05] THRU

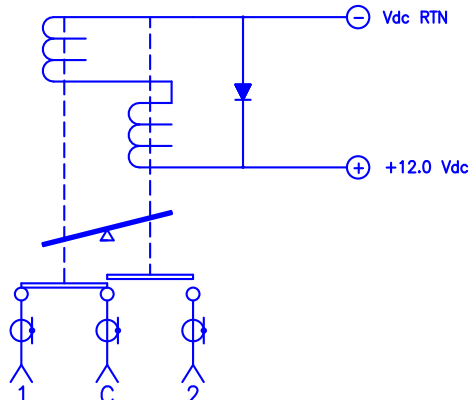
.093 [2.36]  
TYP

.440 [11.18]  
TYP

.440 [11.18]

.880 [22.35]

SCHEMATIC  
FAILSAFE, SUPPRESSION DIODE

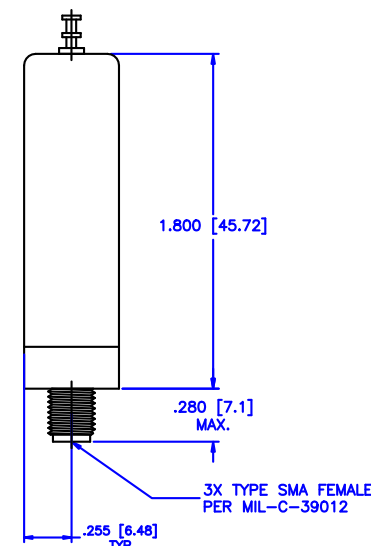


## REVISIONS

ZONE	REV	DESCRIPTION	Date	APPROVED
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## SPECIFICATION:

FREQUENCY RANGE (GHz):	DC-2	2-4	4-8	8-12.4	12-18
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
IMPEDANCE (Ohms):	50	50	50	50	50



MATERIAL:

**MCLI**

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: ±.01 ±.005  
ANGLE: ±1/2°

DRAWING TITLE:

ELECTROMECHANICAL SWITCHES

PART NO.

K2-7-FS/12

DRAWN:

Paiboon Luekhamhan

DATE:

07-18-2011

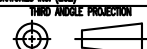
APPROVED:

T. Nguyen

DATE:

07-18-2011

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LABORATORIES INC. (MCLI)



CAGE CODE:

0D2L5

SIZE:

A

REV:

N/A

DWG NO.

85774

DO NOT SCALE THE DRAWING