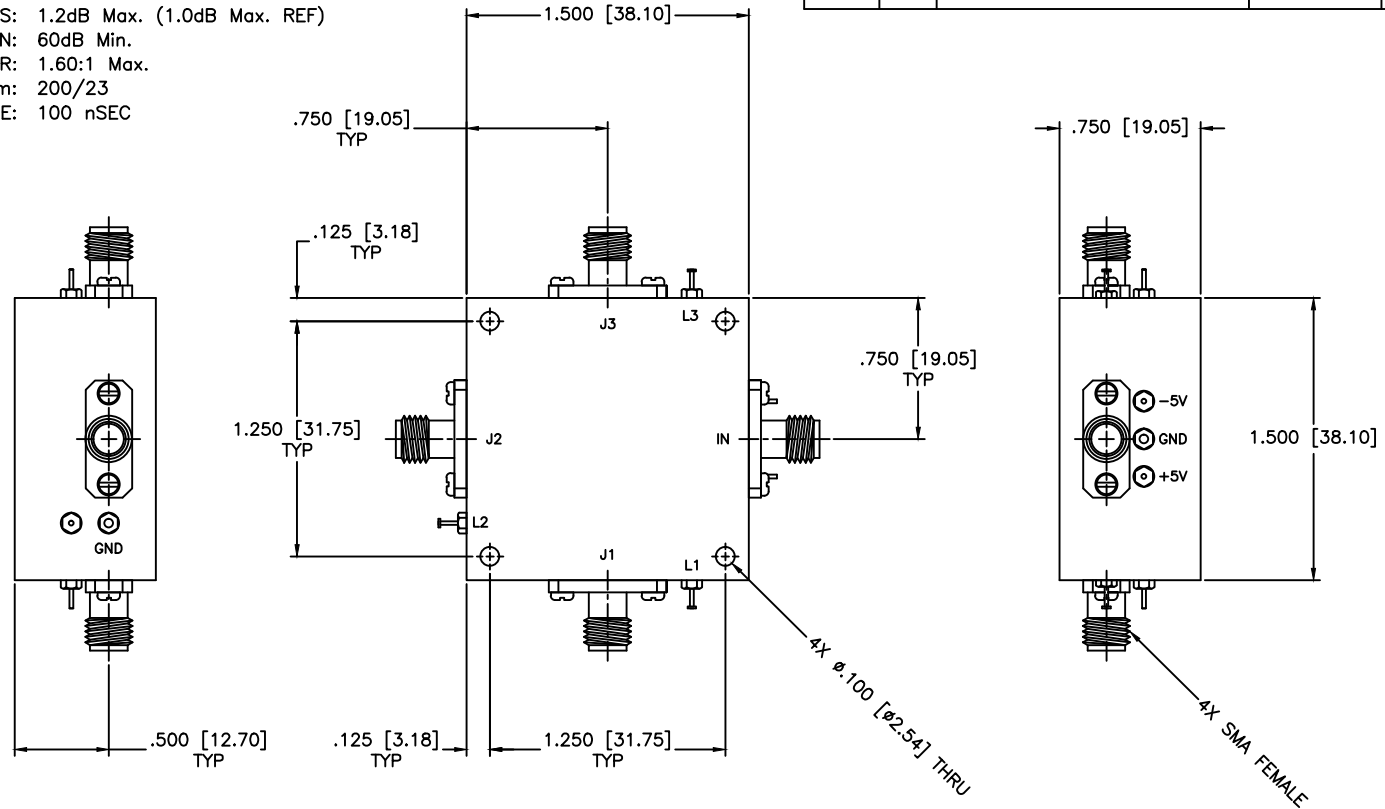


**SPECIFICATIONS**

FREQUENCY RANGE: 0.5–1 GHz  
 INSERTION LOSS: 1.2dB Max. (1.0dB Max. REF)  
 ISOLATION: 60dB Min.  
 VSWR: 1.60:1 Max.  
 INPUT POWER mW/dBm: 200/23  
 SWITCHING TIME: 100 nSEC

REVISIONS				
ZONE	REV	DESCRIPTION	Date	APPROVED



DRIVER SCHOTTKY TTL  
 VOLTAGE / CURRENT REQUIRED:  
 +5 Vdc @ +70 mA, Typical  
 -5 Vdc @ -50 mA, Typical

INDIVIDUAL TTL CONTROL LOGIC:  
 LOGIC "0" (-0.3V to +0.8V)=ON  
 LOGIC "1" (+2.0V to +5.0V)=OFF

TTL Control logic

L1	J2	J3	IN-J1	IN-J2	IN-J3
0	1	1	INSERTION LOSS	ISOLATION	ISOLATION
1	0	1	ISOLATION	INSERTION LOSS	ISOLATION
1	1	0	ISOLATION	ISOLATION	INSERTION LOSS

MATERIAL:	
DRAWN:	Paiboon Luekhamhan
DATE:	08-30-2013
APPROVED:	T. Nguyen
DATE:	08-30-2013

**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

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: <b>PIN DIODE SWITCHES</b>	
PART NO. <b>D3-2</b>	
CAGE CODE:	OD2L5
SIZE:	A
REV:	N/A
DO NOT SCALE THE DRAWING	
DWG NO.	84121