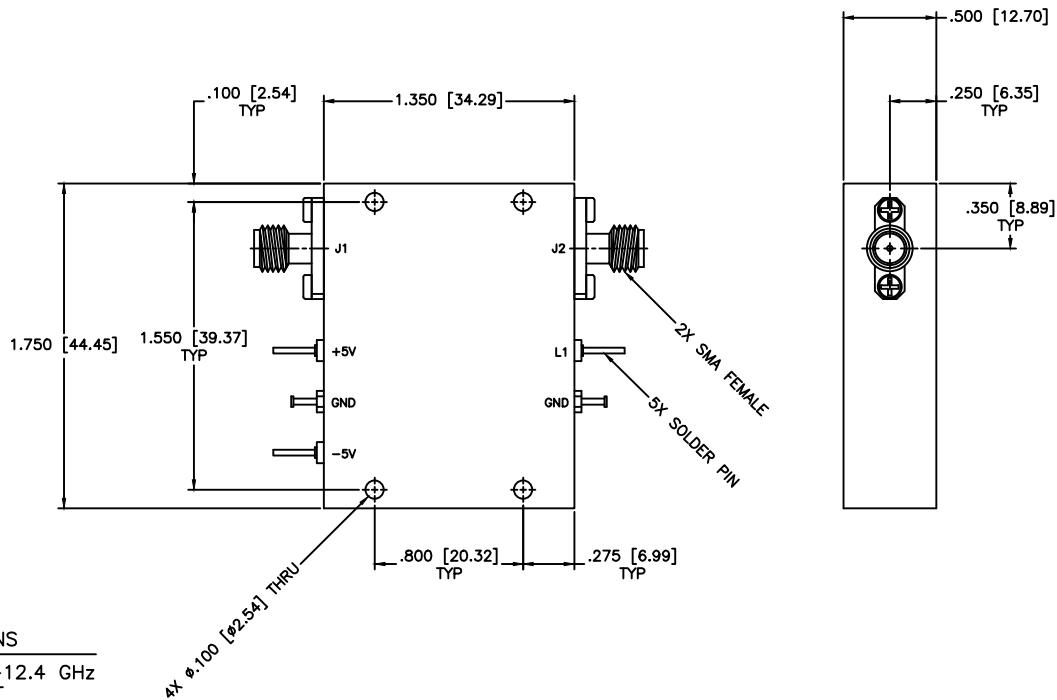


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |
|           |     |             |      |          |



**SPECIFICATIONS**

Frequency Range: 8.0–12.4 GHz  
 Switch Type: SP1T  
 Isolation: 55dB min  
 Insertion Loss: 2.8dB max  
 VSWR: 1.70:1  
 Input Power: 200mW (23dBm)  
 Switching Time: 100 (nSec)  
 Driver: Schottkey TTL  
 Voltage/Current Required: ±5 Vdc @ ±30 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 J1–J2  
 0 Insertion Loss  
 1 Isolation

|   |  |                  |  |                     |            |
|---|--|------------------|--|---------------------|------------|
| MATERIAL:   |  |                  | MICROWAVE COMMUNICATIONS LABORATORIES INC.<br>7255 30TH AVE. N. SAINT PETERSBURG, FL 33710<br>TEL: (727) 344-6254 FAX: (727) 381-6116<br>http://www.MCLI.COM |                     | SCALE: N/A |
| UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: ± 1/64<br>DECIMALS: ±.01 ±.005<br>ANGLE: ±1/2°   |  |                  | DRAWING TITLE:<br><b>PIN DIODE SWITCHES, ABSORPTIVE</b>  |                     | SHEET: N/A |
| DRAWN: Paibon Luekhamhan  |  | DATE: 05-16-2006 |  | PART NO.: D1-15/ABS |            |
| APPROVED: T. Nguyen   |  | DATE: 05-16-2006 |  | CAGE CODE: OD2L5    | SIZE: A    |
| PROPRIETARY NOTICE:<br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY<br>AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN<br>PERMISSION FROM MICROWAVE COMMUNICATIONS<br>LABORATORIES INC. (MCLI)<br>THIRD ANGLE PROJECTION |  | REV: N/A         | DWG NO.: 82552   |                     |            |
| DO NOT SCALE THE DRAWING  |  |                  |  |                     |            |