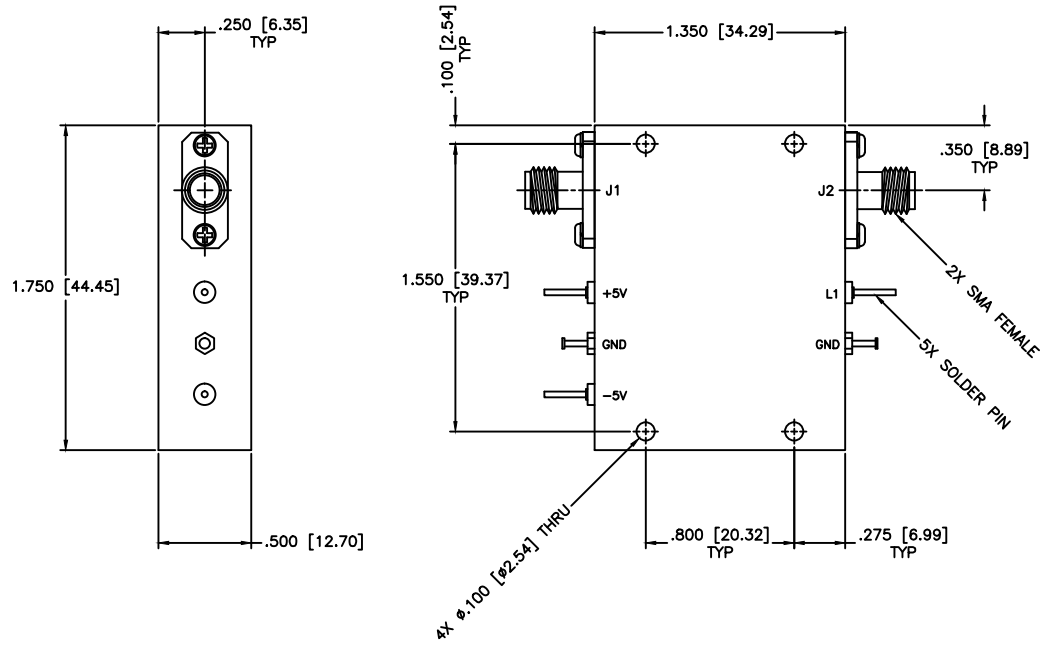




| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |



**SPECIFICATIONS**

Frequency Range: 6-18 GHz  
 Switch Type: SP1T  
 Isolation: 60dB min  
 Insertion Loss: 2.5dB max  
 VSWR: 2.50:1 Max.  
 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><br>PIN DIODE SWITCHES, REFLECTIVE   |                           | SHEET: N/A  |
| DRAWN:<br>Paiboon Luekhamhan  |  | DATE:<br>08-27-2013 |  | PART NO.<br><br>D1-13/REF |   |
| APPROVED:<br>T. Nguyen  |  | DATE:<br>08-27-2013 |  | CAGE CODE:<br>OD2L5       | SIZE: A<br>REV: N/A<br>DWG NO.: 86359<br>DO NOT SCALE THE DRAWING |

