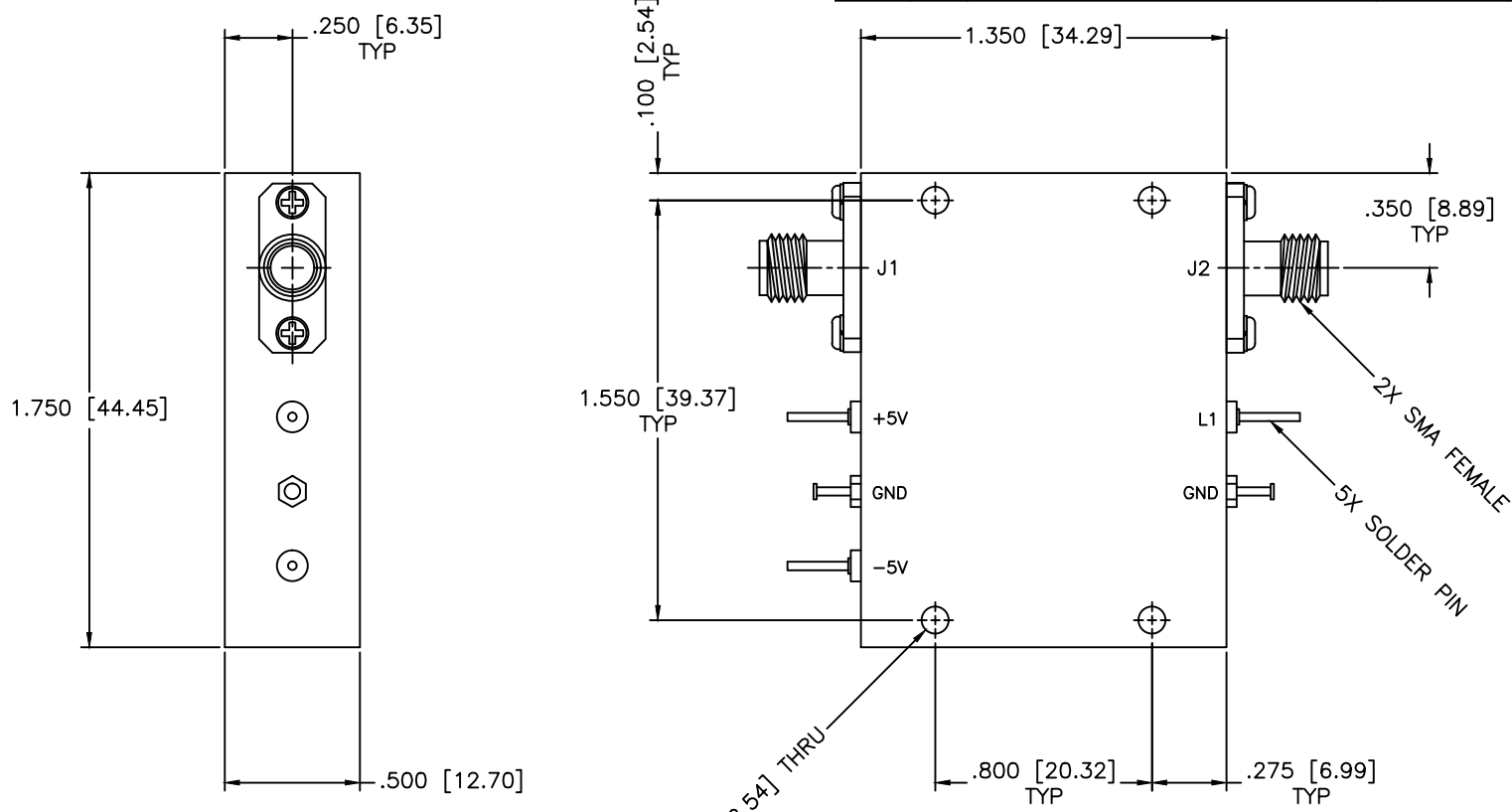


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |
|           |     |             |      |          |



**SPECIFICATIONS**

Frequency Range: 1-2 GHz  
 Switch Type: SP1T  
 Isolation: 60dB min  
 Insertion Loss: 1.7dB max  
 VSWR: 1.60:1 Max.  
 Input Power: 200mW (23dBm)  
 Switching Time: 100 (nSec)  
 Driver: Schottkey TTL  
 Voltage/Current Required:  $\pm 5$  Vdc @  $\pm 30$  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:          |  | <b>MCLI</b> 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      |
|                    |  |  | SHEET:             | N/A      |
| DRAWN:             |  | UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm 1/64$<br>DECIMALS: $\pm .01 \pm .005$<br>ANGLE: $\pm 1/2^\circ$        | DRAWING TITLE:     |          |
| DATE:              |  |  | PIN DIODE SWITCHES |          |
| Paiboon Luekhamhan |  | PART NO.:  |                    |          |
| DATE:              |  | D1-5/ABS   |                    |          |
| APPROVED:          |  | CAGE CODE:   | SIZE:              | REV:     |
| T. Nguyen          |  | OD2L5  | N/A                | N/A      |
| DATE:              |  | DO NOT SCALE THE DRAWING   |                    | DWG NO.: |
| 05-02-2006         |  |  |                    | 82542    |

PROPRIETARY NOTICE:  
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