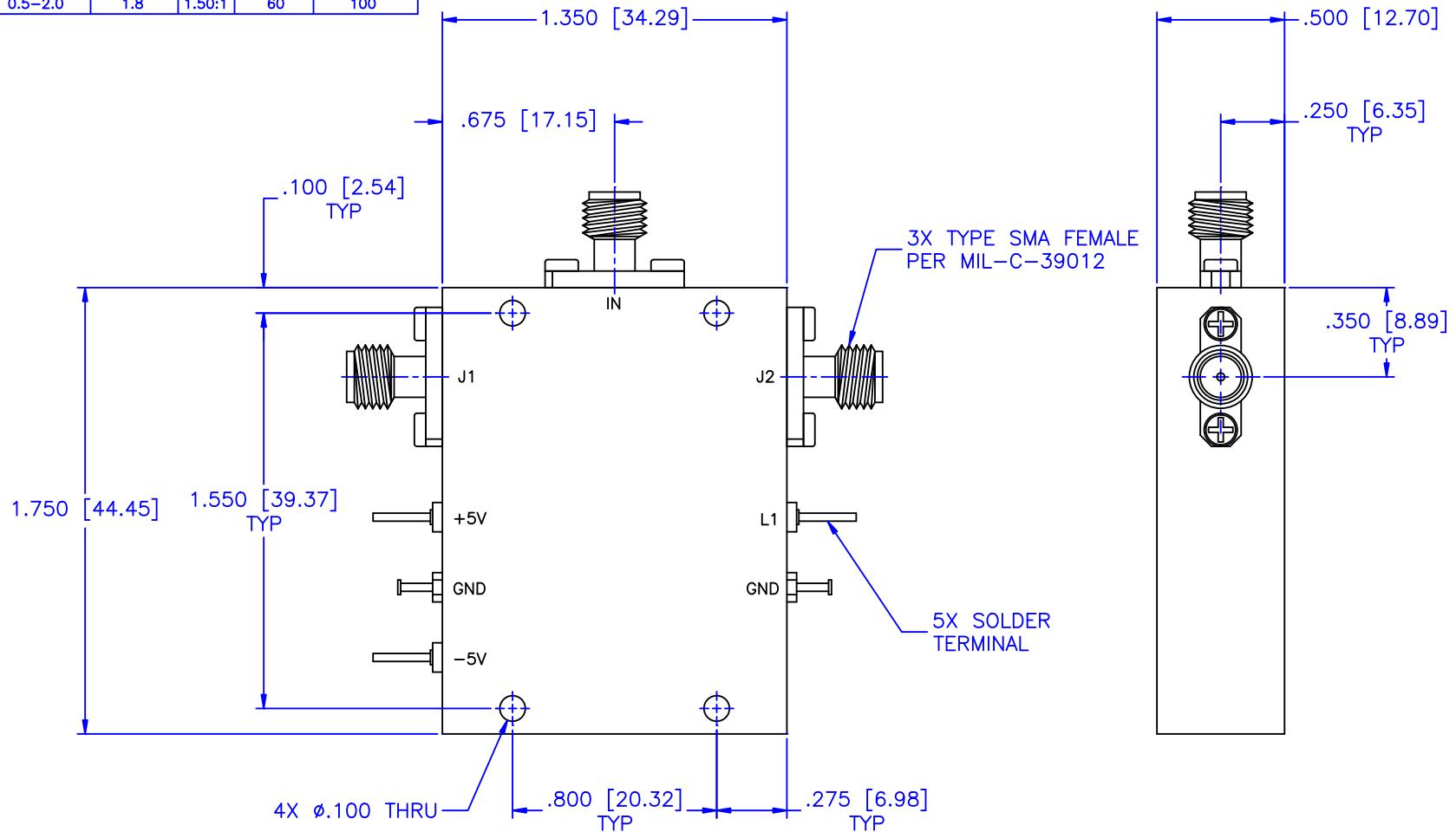


| SWITCHES SP2T | FREQUENCY RANGE (GHz) | INSERTION LOSS (dB Max) | VSWR (Max) | ISOLATION (dB Min) | SWITCHING SPEED (nsec Max) |
|---------------|-----------------------|-------------------------|------------|--------------------|----------------------------|
| ABSORPTIVE | 0.5-2.0 | 1.8 | 1.60:1 | 60 | 100 |
| REFLECTIVE | 0.5-2.0 | 1.8 | 1.50:1 | 60 | 100 |

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | | | | |



SPECIFICATION:

- * Driver Schottky TTL
 - * Voltage required: ± 5 Vdc
 - * Current required is -70mA , $+100\text{mA}$, Typical.
 - * Individual TTL Control logic:
Logic "0" (-0.3V to $+0.8\text{V}$) = ON
Logic "1" ($+2.0\text{V}$ to $+5.0\text{V}$) = OFF
 - TTL Control Logic
- | | | |
|----|----------------|----------------|
| L1 | IN-J1 | IN-J2 |
| 1 | Isolation | Insertion Loss |
| 0 | Insertion Loss | Isolation |

| | | | |
|---|--------------------|--|----------------------------------|
| MATERIAL: | MCLI | | SCALE: N/A |
| UNLESS OTHERWISE SPECIFIED: TOLERANCES IN (INCHES) OR [mm] (MILLIMETERS) FRACTIONS: $\pm 1/64$ DECIMALS: $\pm .01 \pm .005$ ANGLE: $\pm 1/2^\circ$ | | DRAWING TITLE: PIN DIODE SWITCHES | SHEET: N/A |
| DRAWN: | Paiboon Luekhamhan | DATE: 08-22-2005 | PART NO. |
| APPROVED: | T. Nguyen | DATE: 08-22-2005 | THIRD ANGLE PROJECTION |
| 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) | | CAGE CODE: 0D2L5 | SIZE: N/A REV: N/A DWG NO. 82385 |
| DO NOT SCALE THE DRAWING | | | |