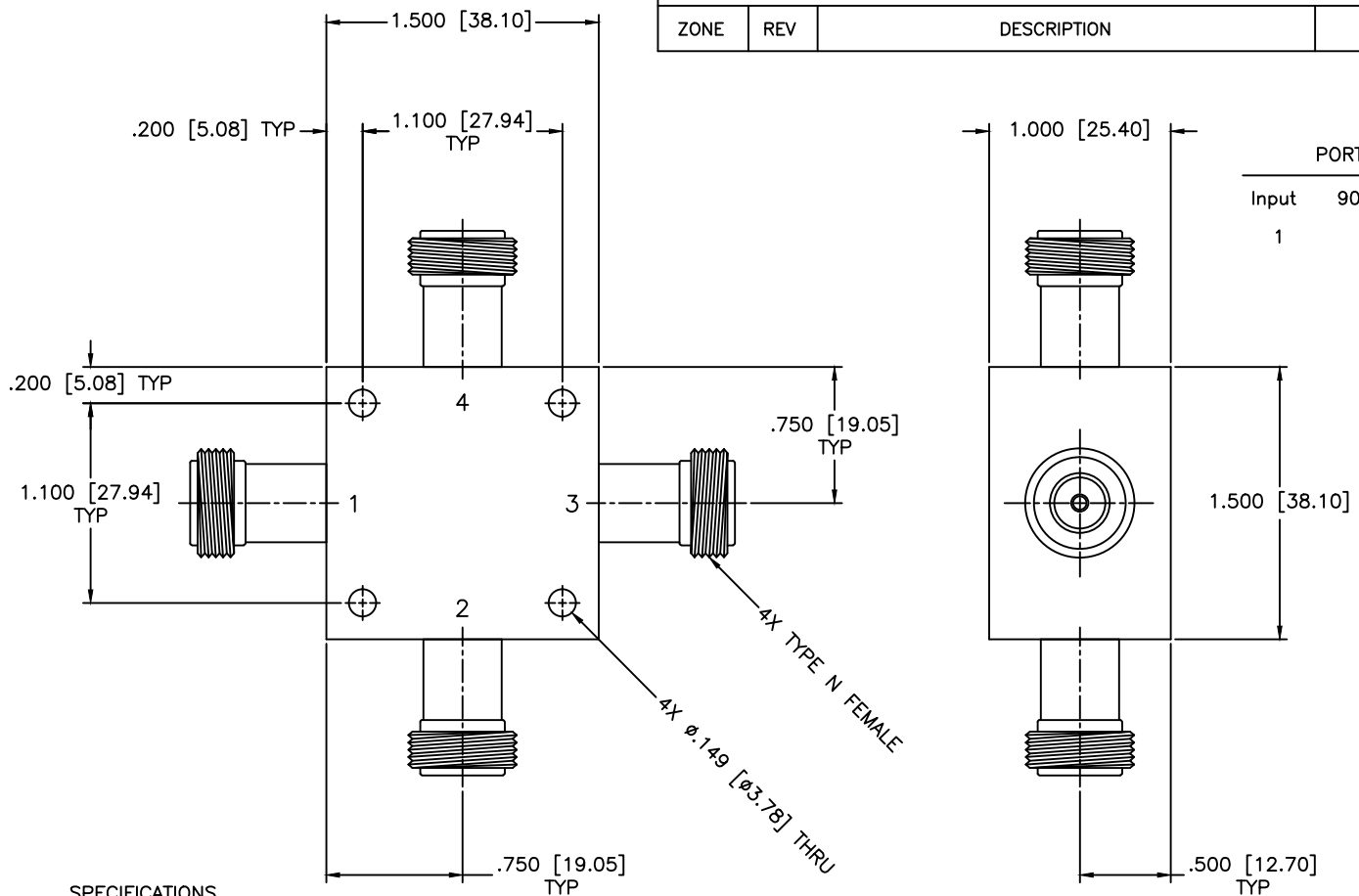


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |
|           |     |             |      |          |



| PORT CONFIGURATION |         |          |        |  |
|--------------------|---------|----------|--------|--|
| Input              | 90° Out | Isolated | 0° Out |  |
| 1                  | 2       | 3        | 4      |  |

**SPECIFICATIONS**

- Frequency Range: 500–1000 MHz
- Isolation: 18dB Min.
- VSWR: 1.45:1 Max.
- Insertion Loss: 1.0dB Max.
- Amplitude Balance: ±1.3dB Max.
- Phase Balance: ±5 Deg. Max.
- Operating Temperature: -55°C to +85°C

|                              |                     |
|------------------------------|---------------------|
| MATERIAL:                    |                     |
| DRAWN:<br>Paiboon Luexhamhan | DATE:<br>11-30-1997 |
| APPROVED:<br>T. Nguyen       | DATE:<br>11-30-1997 |

|   |  |          |                |                    |
|---|--|----------|----------------|--------------------|
|   | 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 |          | SHEET:         | 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: | 90° HYBRID, OCTAVE |
| 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) |  | PART NO. | BL-9/NF        |                    |
| CAGE CODE:  | SIZE:  | REV:     | DWG NO.        |                    |
| OD2L5   | A  | N/A      | 80725          |                    |
| DO NOT SCALE THE DRAWING  |  |          |                |                    |

