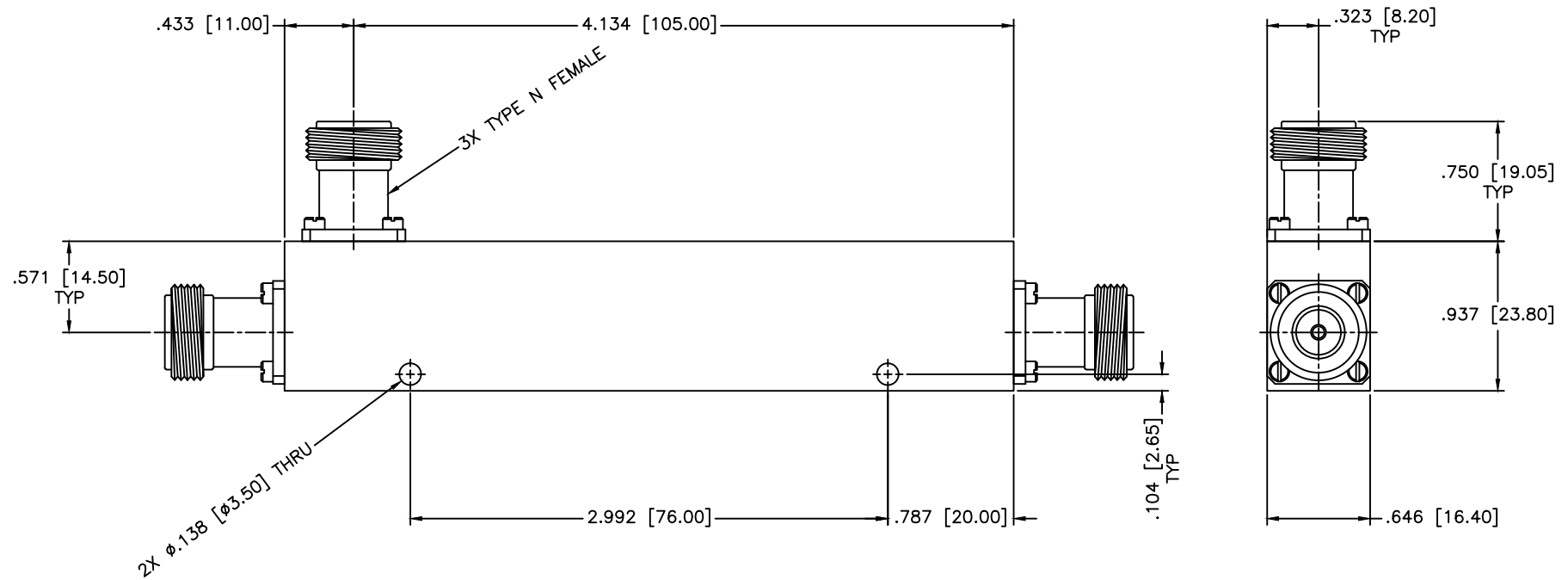


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 800–2500 MHz  
Coupling:  $10 \pm 1.3$  dB  
Insertion Loss: 1.0 dB Max.  
Power Rating: 50W  
VSWR: 1.25:1 Max.  
Operating Temperature:  $-35^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

|                                                                                                                                                                                                                                                                                                          |                     |                                                                                                                                                                          |                                                 |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------|
| <b>MATERIAL:</b><br><div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 49%, black 49%, black 51%, transparent 51%);"></div> </div> |                     | <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                                                                                                                                                               |                                                 |            |
| <b>UNLESS OTHERWISE SPECIFIED:</b><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:<br>DIRECTIONAL COUPLER                                                                                                                                    |                                                 |            |
| <b>PROPRIETARY NOTICE:</b><br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN PERMISSION FROM MICROWAVE COMMUNICATIONS LABORATORIES INC. (MCLI)                                                                                                        |                     | PART NO.<br>CB59-10/NF                                                                                                                                                   |                                                 |            |
| DRAWN:<br>Paiboon Luekhamhan                                                                                                                                                                                                                                                                             | DATE:<br>07-19-2006 | CAGE CODE:<br>OD2L5                                                                                                                                                      | SIZE: A<br>REV: N/A<br>DO NOT SCALE THE DRAWING |            |
| APPROVED:<br>T. Nguyen                                                                                                                                                                                                                                                                                   | DATE:<br>07-19-2006 | THIRD ANGLE PROJECTION<br>                                                                                                                                               | DWG NO.<br>82597                                |            |