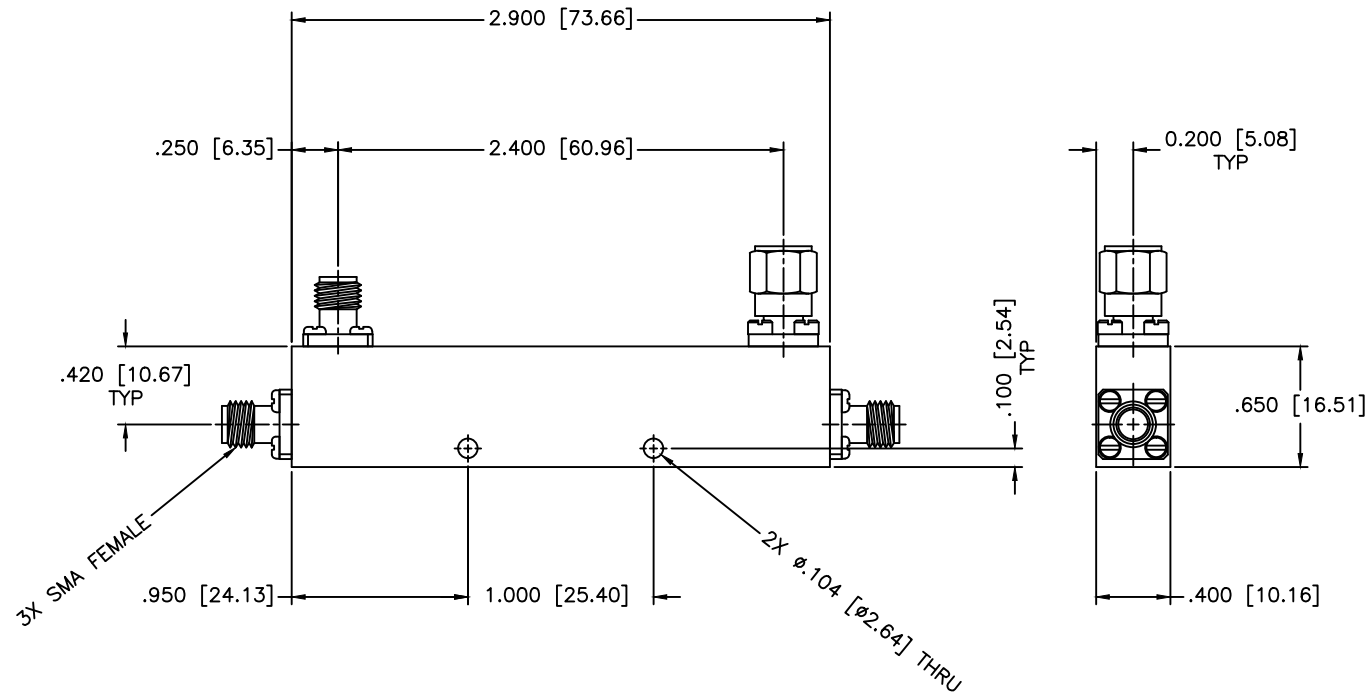


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 2–20 GHz  
 VSWR: 1.40:1 Max.  
 Coupling: 20±1.0dB  
 Insertion Loss: 0.9dB Max.  
 Directivity: 16dB Min.  
 Frequency Sensitivity: ±0.3dB  
 Power Incident, Reflected: 20W, 5W, 3kW Peak

|                                                                                                                                                                          |                     |                                                                                                                                                              |            |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|
| <b>MATERIAL:</b><br>                                                                |                     | 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                                                                                                                        |            |                  |
|                                                                                                                                                                          |                     | PART NO.<br>CB12-20                                                                                                                                          |            |                  |
| DRAWN:<br>Paiboon Luekhamhan                                                                                                                                             | DATE:<br>11-14-2011 | CAGE CODE:<br>OD2L5                                                                                                                                          | SIZE:<br>A | REV:<br>A        |
| APPROVED:<br>T. Nguyen                                                                                                                                                   | DATE:<br>11-14-2011 | DO NOT SCALE THE DRAWING                                                                                                                                     |            | DWG NO.<br>81757 |