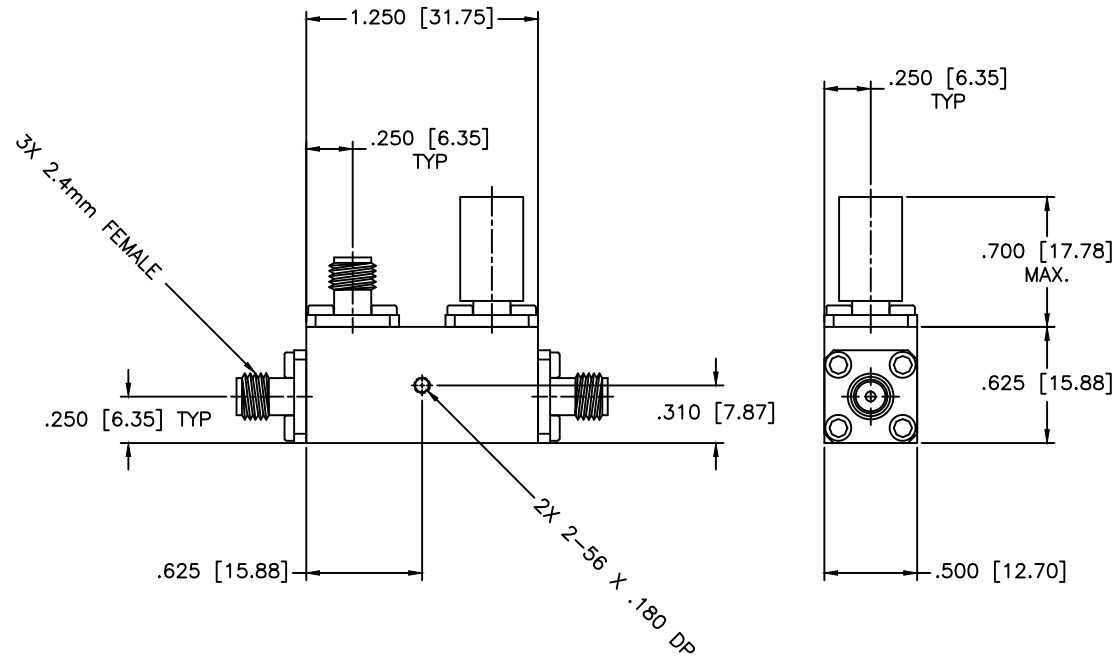


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 18–50 GHz  
 VSWR: 1.80:1 Max.  
 Coupling: 30±1.0dB  
 Insertion Loss: 1.6dB Max.  
 Directivity: 10dB Min.  
 Frequency Sensitivity: ±0.7dB  
 Power Rating: 16W Avg, 3kW Peak  
 Operating Temperature: –32°C to +85°C

|                                                                                                                                             |                     |                                                                                                                                                              |                  |             |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| MATERIAL:<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                                                                                                                                                   |                  |             |
| 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:<br>DIRECTIONAL COUPLER                                                                                                                        |                  |             |
|                                                                                                                                             |                     | PART NO.<br>CB144-30                                                                                                                                         |                  |             |
| DRAWN:<br>Paiboon Luekhamhan                                                                                                                | DATE:<br>03-02-2011 | CAGE CODE:<br>OD2L5                                                                                                                                          | SIZE:<br>A       | REV:<br>N/A |
| APPROVED:<br>T. Nguyen                                                                                                                      | DATE:<br>03-02-2011 | DO NOT SCALE THE DRAWING                                                                                                                                     | DWG NO.<br>85576 |             |