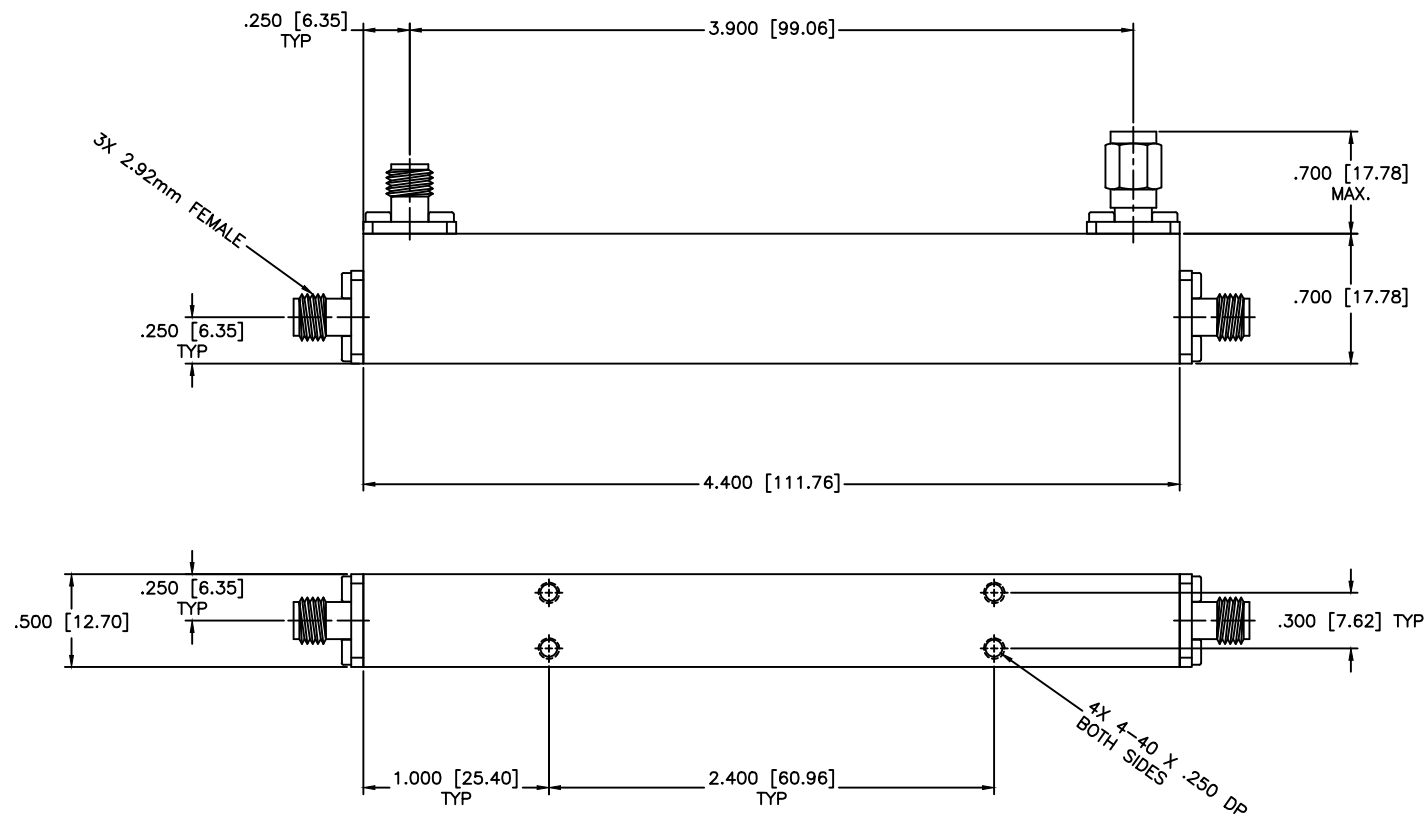


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |
|           |     |             |      |          |



#### SPECIFICATIONS

Frequency Range: 0.5–40 GHz  
 VSWR: 1.70:1 Max.  
 Coupling: 10±1.0dB  
 Insertion Loss: 2.9dB Max.  
 Directivity: 11dB Min.  
 Frequency Sensitivity: ±1.5dB  
 Power Rating: 10W Avg, 3kW Peak  
 Operating Temperature: –32°C to +85°C

|                                                                                                           |  |                                                                                                                                                                                                |                                                   |               |
|-----------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| <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><a href="http://WWW.MCLI.COM">http://WWW.MCLI.COM</a> |                                                   | SCALE: 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°                                                    |                                                   | SHEET: N/A    |
| DRAWN: Paiboon Luekhamhan<br>DATE: 10-28-2010                                                             |  | DRAWING TITLE: DIRECTIONAL COUPLER                                                                                                                                                             |                                                   |               |
| APPROVED: T. Nguyen<br>DATE: 10-28-2010                                                                   |  | PART NO. CB111-10                                                                                                                                                                              |                                                   |               |
| THIRD ANGLE PROJECTION                                                                                    |  | CAGE CODE: OD2L5                                                                                                                                                                               | SIZE: N/A<br>REV: N/A<br>DO NOT SCALE THE DRAWING | DWG NO. 85097 |