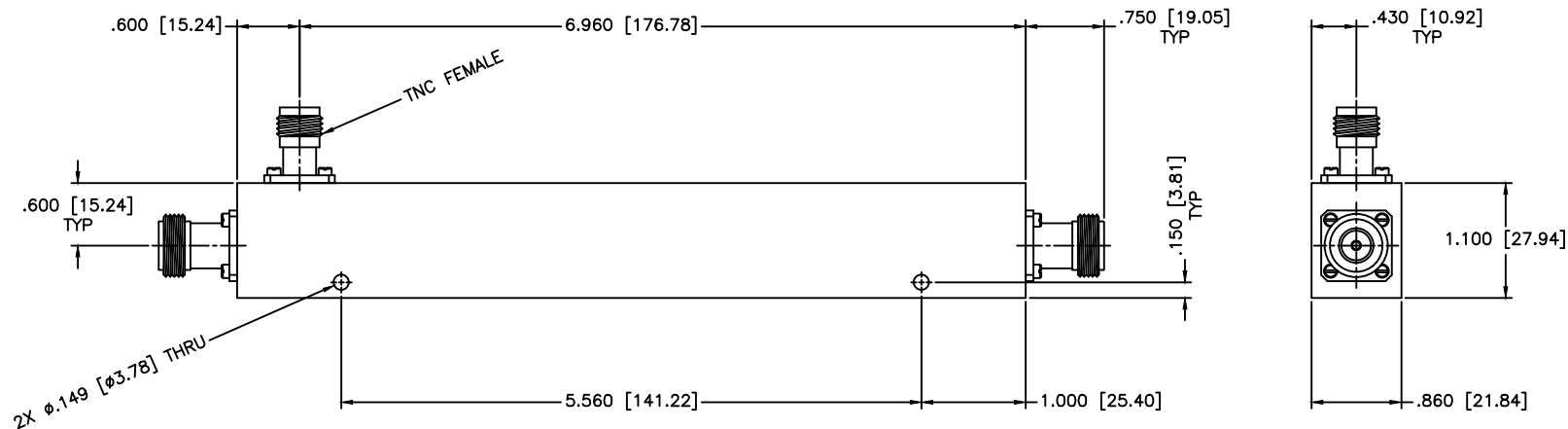




#### SPECIFICATIONS

Frequency Range: 225–400 MHz  
 Coupling:  $10 \pm 1.0$  dB  
 Frequency Sensitivity:  $\pm 0.7$  dB  
 Insertion Loss: 0.9 dB Max.  
 Directivity: 20 dB Min.  
 VSWR: 1.15:1 Max.  
 Power Incident, Reflected: 50W, 5W, 1kW Peak

|                                                                                                                                                                     |  |                                                                                                                                                                             |  |                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|
| MATERIAL:                                                                                                                                                           |  | <b>MCLI</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<br>SHEET: N/A             |  |
| UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm 1/64$<br>DECIMALS: $\pm 0.01 \pm 0.005$<br>ANGLE: $\pm 1/2^\circ$ |  | DRAWING TITLE:<br>DIRECTIONAL COUPLER                                                                                                                                       |  |                                      |  |
| PART NO.<br>C1-315                                                                                                                                                  |  | CAGE CODE: OD2L5                                                                                                                                                            |  |                                      |  |
| DRAWN: Paiboon lukthamhan<br>DATE: 03-27-2008                                                                                                                       |  | APPROVED: T. Nguyen<br>DATE: 03-27-2008                                                                                                                                     |  | SIZE: C<br>REV: N/A<br>DWG NO. 82809 |  |
| THIRD ANGLE PROJECTION                                                                                                                                              |  | DO NOT SCALE THE DRAWING                                                                                                                                                    |  |                                      |  |