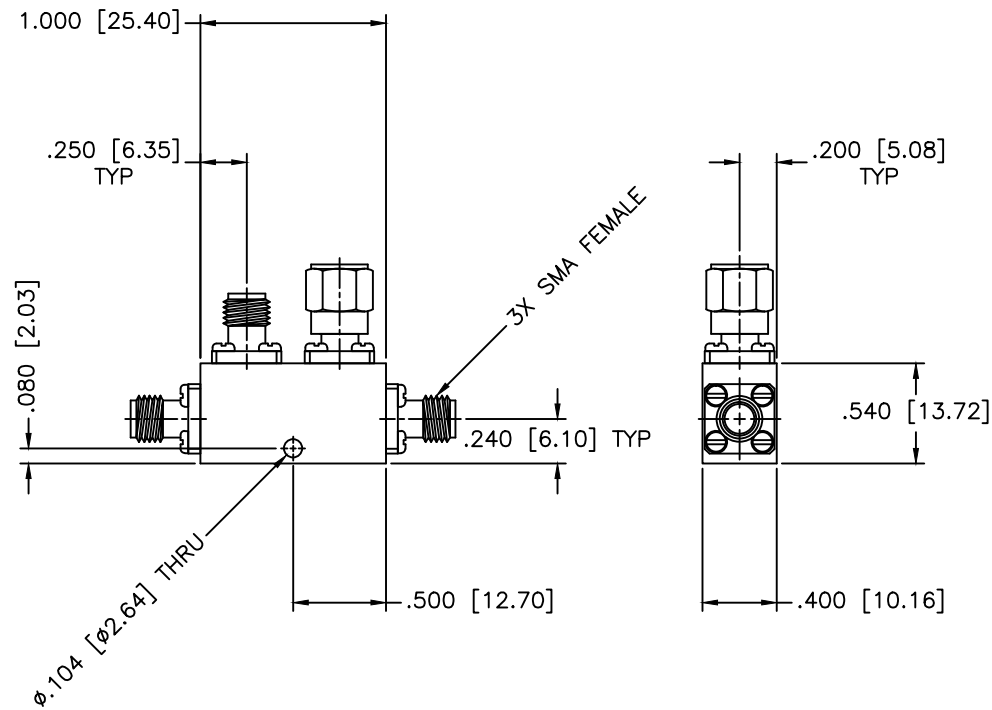


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 12.4–18 GHz  
 Coupling:  $10 \pm 1.0$  dB  
 Frequency Sensitivity:  $\pm 0.5$  dB  
 Insertion Loss: 1.10 dB Max.  
 Directivity: 15 dB Min.  
 VSWR: 1.40:1 Max.  
 Power Incident, Reflected: 50W, 50W, 1kW 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><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: $\pm 1/64$<br>DECIMALS: $\pm .01 \pm .005$<br>ANGLE: $\pm 1/2^\circ$                             |                                                 | SHEET: N/A    |
| DRAWN: Paiboon Luethamhan<br>DATE: 11-12-1998                                                                                                                                                       |  | DRAWING TITLE: DIRECTIONAL COUPLER                                                                                                                                                             |                                                 |               |
| APPROVED: T. Nguyen<br>DATE: 11-12-1998                                                                                                                                                             |  | PART NO. C8-10                                                                                                                                                                                 |                                                 |               |
| PROPRIETARY NOTICE:<br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY<br>AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN<br>PERMISSION FROM MICROWAVE COMMUNICATIONS<br>LABORATORIES INC. (MCLI) |  | CAGE CODE: OD2L5                                                                                                                                                                               | SIZE: A<br>REV: N/A<br>DO NOT SCALE THE DRAWING | DWG NO. 80435 |