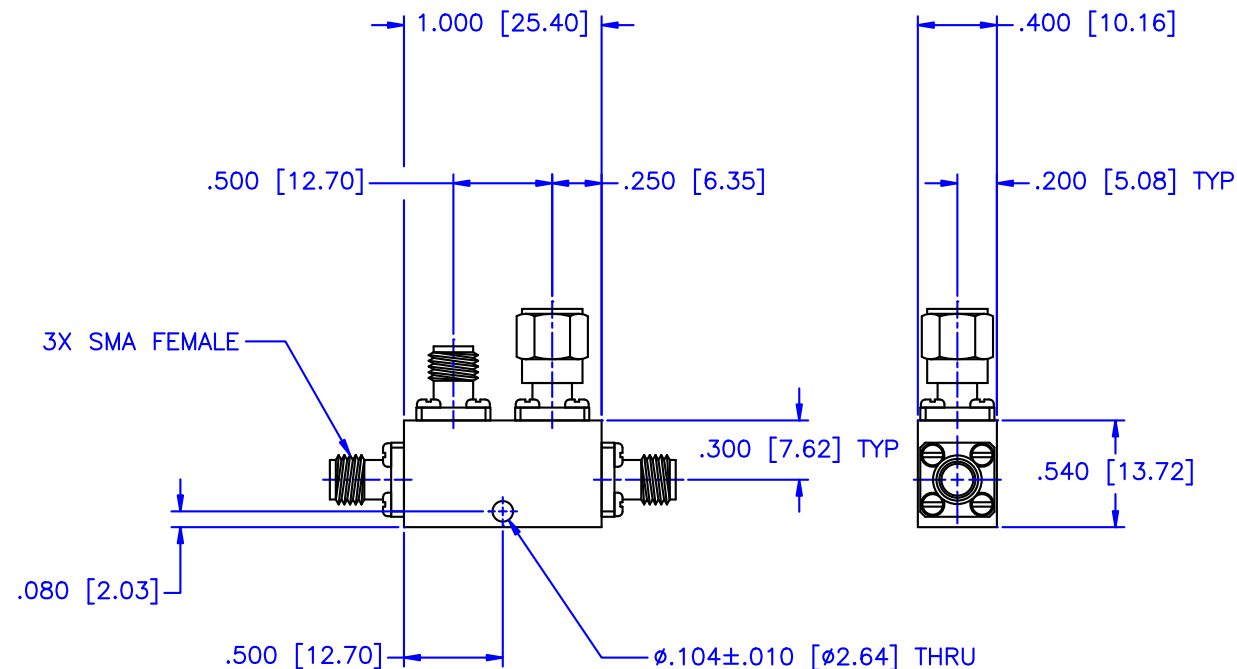


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 17.3–18.4 GHz  
Coupling: 20±1.0dB  
Frequency Sensitivity: ±.50dB  
Insertion Loss Maximum.  
Excluding Coupler Power: 0.70dB  
True: 0.75dB  
Directivity: 10dB Min.  
VSWR Maximum.  
Primary Line: 1.80:1  
Secondary Line: 1.80:1  
Power Incident, Reflected: 50W, 30W  
Power Peak: 3kW

|                                                                                                                                             |  |                                                                                                                                                                             |                          |       |         |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|---------|
| 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     |
|                                                                                                                                             |  |                                                                                                                                                                             | 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:                                                                                                                                                              |                          |       |         |
|                                                                                                                                             |  | DIRECTIONAL COUPLER                                                                                                                                                         |                          |       |         |
| DRAWN:                                                                                                                                      |  | DATE:                                                                                                                                                                       | PART NO.                 |       |         |
| Paiboon Luekhamhan                                                                                                                          |  | 07-15-1999                                                                                                                                                                  | C95-20                   |       |         |
| APPROVED:                                                                                                                                   |  | DATE:                                                                                                                                                                       | CAGE CODE:               | SIZE: | REV:    |
| T. Nguyen                                                                                                                                   |  | 07-15-1999                                                                                                                                                                  | OD2L5                    | A     | N/A     |
|                                                                                                                                             |  |                                                                                                                                                                             | DO NOT SCALE THE DRAWING |       | DWG NO. |
|                                                                                                                                             |  |                                                                                                                                                                             |                          |       | 81350   |