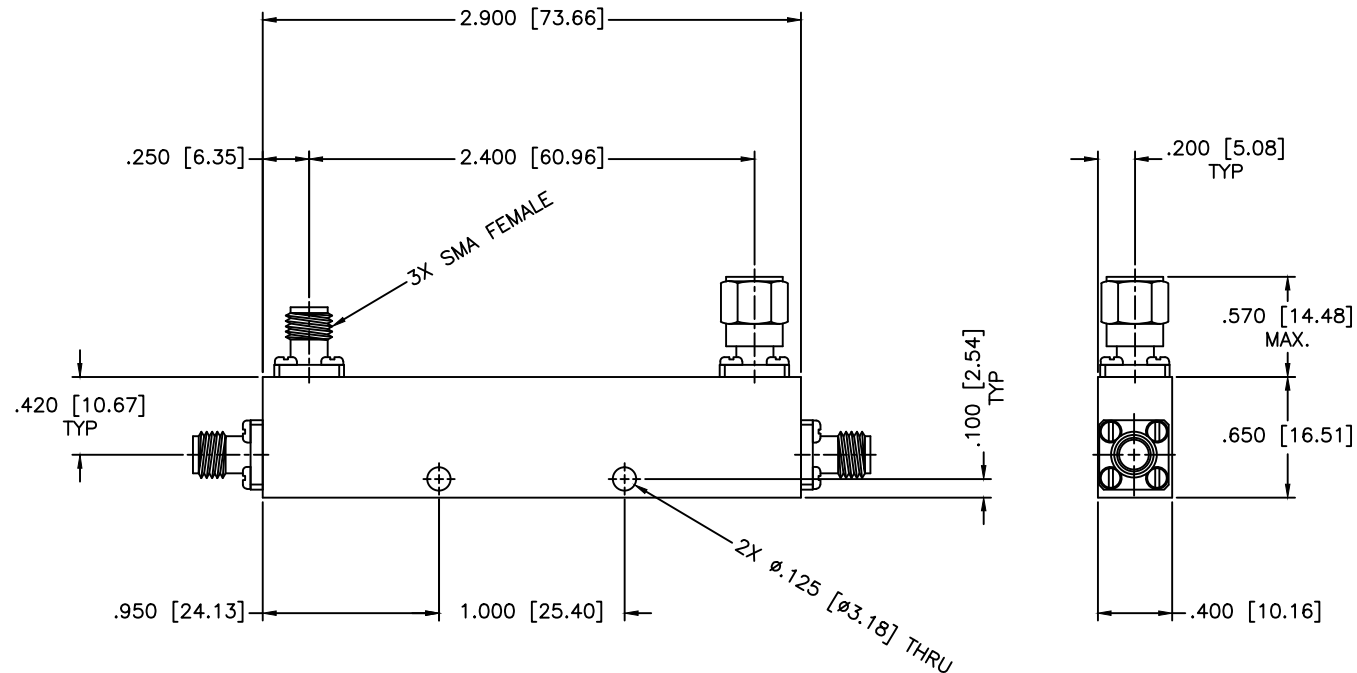


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



#### SPECIFICATIONS

Frequency Range: 6–20 GHz

Coupling:  $20 \pm 1.0$  dB

Frequency Sensitivity:  $\pm 0.4$  dB

Insertion Loss Maximum.

Excluding Coupler Power: 0.50 dB

True: 0.60 dB

Directivity: 16 dB Min.

VSWR: 1.35:1 Max.

Power Incident, Reflected, Peak: 20W, 5W, 3kW

|                                                                                                                                                                                                     |  |                                                                                                                                                                                                            |  |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------|
| MATERIAL:                                                                                                                                                                                           |  | <b>MCLI</b> 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: $\pm 0.01 \pm 0.005$<br>ANGLE: $\pm 1/2^\circ$                                        |  | SHEET: N/A                                                                  |
| DRAWN: Paitoon Luethamhan                                                                                                                                                                           |  | DATE: 08-27-2001                                                                                                                                                                                           |  | DRAWING TITLE:<br><b>DIRECTIONAL COUPLER</b><br>PART NO.<br><b>CB130-20</b> |
| APPROVED: T. Nguyen                                                                                                                                                                                 |  | DATE: 08-27-2001                                                                                                                                                                                           |  |                                                                             |
| 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: A<br>DWG NO. 86577                                          |
|                                                                                                                                                                                                     |  | THIRD ANGLE PROJECTION                                                                                                                                                                                     |  | DO NOT SCALE THE DRAWING                                                    |