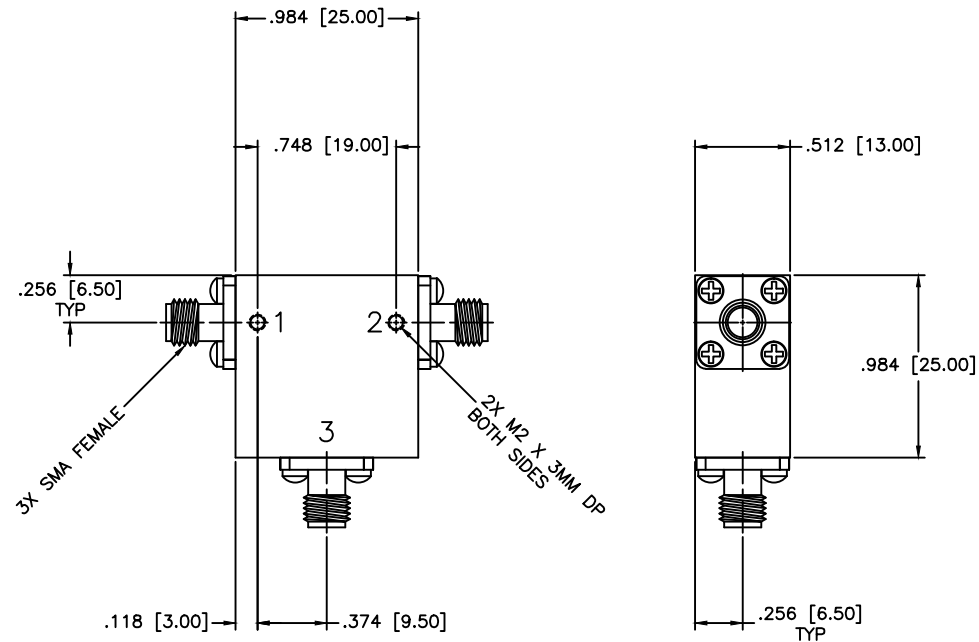


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | Date | APPROVED |
|           |     |             |      |          |



#### SPECIFICATIONS

Frequency Range: 2.85–3.3 GHz  
Isolation: 20dB Min.  
Insertion loss: 0.35dB Max.  
VSWR: 1.25:1 Max.  
Operating Temperature: 0°C to +50°C  
Power: 25W Avg, 100W Peak

|                                                                                                                                                                            |  |                                                                                                                                                                                                   |  |                          |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|---------------|
| <b>MATERIAL:</b><br><div style="border: 1px solid black; height: 100px; width: 100%;"></div>                                                                               |  | <b>MCL</b> 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               |               |
| <b>UNLESS OTHERWISE SPECIFIED:</b><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: COAXIAL CIRCULATOR                                                                                                                                                                 |  |                          |               |
|                                                                                                                                                                            |  | PART NO. IS-120                                                                                                                                                                                   |  |                          |               |
| <b>DRAWN:</b> Paiboon Luekhamhan<br><b>DATE:</b> 07-29-2009                                                                                                                |  | <b>PROPRIETARY NOTICE:</b><br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN PERMISSION FROM MICROWAVE COMMUNICATIONS LABORATORIES INC. (MCLI) |  | CAGE CODE: OD2L5         | SIZE: N/A     |
| <b>APPROVED:</b> T. Nguyen<br><b>DATE:</b> 07-29-2009                                                                                                                      |  | <b>THIRD ANGLE PROJECTION</b><br>                                                                                                                                                                 |  | REV: N/A                 | DWG NO. 84571 |
|                                                                                                                                                                            |  |                                                                                                                                                                                                   |  | DO NOT SCALE THE DRAWING |               |