

NOTES:UNLESSOTHERWISE SPECIFIED  
THIS IS A CAD GENERATED DRAWING,DO NOT REVISE MANUALLY

| REVISION HISTORY |     |                     |          |      |          |
|------------------|-----|---------------------|----------|------|----------|
| ZONE             | REV | DESCRIPTION         | E.C.O.NO | DATE | APPROVED |
|                  | 1   | ENGINEERING RELEASE |          |      |          |

## LFC-5036

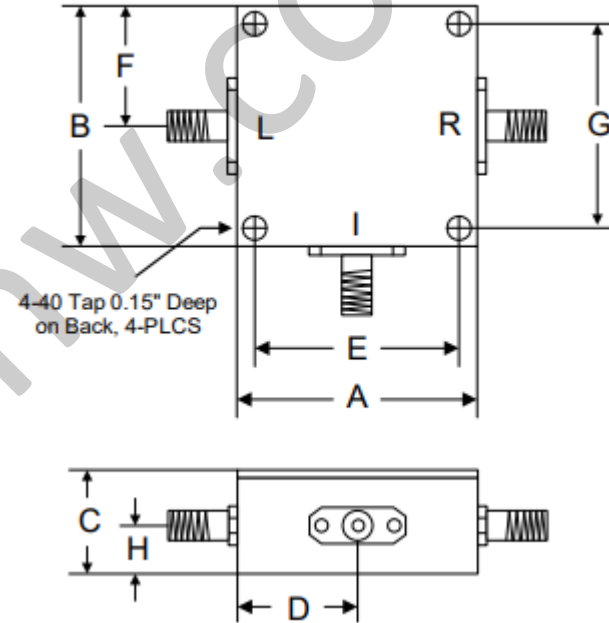
9 – 15 GHz 混频器 Frequency Mixer

—电气技术参数 Electrical Specifications—

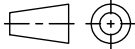

|                             |              |
|-----------------------------|--------------|
| 射频范围 RF Range:              | 9 – 15GHz    |
| 本振范围 LO Range:              | 9 – 15GHz    |
| 中频范围 IF Range:              | DC – 2.5GHz  |
| LO-RF 隔离度 LO-RF Isolation:  | 40dB         |
| LO-IF 隔离度 LO-IF Isolation:  | 40dB         |
| RF-IF 隔离度 RF-IF Isolation:  | /            |
| 变频损耗 Conversion Loss:       | 8dB          |
| 本振功率 LO Power:              | 13dBm        |
| 输入功率三阶截断点 IIP3:             | 17dBm        |
| 工作温度 Operation Temperature: | -55 ~ +85°C  |
| 存储温度 Storage Temperature:   | -65 ~ +150°C |

—机械技术参数 Mechanical Specifications—

|                                 |       |
|---------------------------------|-------|
| RF 连接器 RF Interface:            | SMA-F |
| LO 连接器 LO Interface:            | SMA-F |
| IF 连接器 IF Interface:            | SMA-F |
| 尺寸 Size(excluding connectors) : | /     |



|      | A     | B     | C     | D     | E     | F     | G     | H     |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Inch | 1.250 | 1.250 | 0.563 | 0.625 | 1.000 | 0.625 | 1.000 | 0.250 |
| mm   | 31.75 | 31.75 | 14.29 | 15.88 | 25.40 | 15.88 | 25.40 | 6.35  |

|  |   |  |      |               |         |              |       |
|--|---|--|------|---------------|---------|--------------|-------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE MILLIMETER<br>TOLERANCES ARE:<br>DECIMALS ANGLES FRACTIONS<br>.X±0.1 ±1' ±2/5<br>.XX±0.03<br>.XXX±0.012 |  |           |      | P/N: LFC-5036 |         |              |       |
|  |   | www.lairmw.com sales@lairmw.com  |      |               |         |              |       |
|  |   | 9 – 15 GHz 混频器 Frequency Mixer<br>本振功率 LO Power 13 dBm   |      |               |         |              |       |
|  |   | DRWN   | DATE | SIZE A3       | CAGE NO | DWG NO.      | REV 1 |
| HOLE DIAMETER<br>.35 TO 3.20<br>3.21 TO 6.35<br>6.36 TO 12.70<br>12.71 TO 19.05<br>19.06 TO 25.40<br>25.41 TO 50.80                                  |   | TOLERANCES<br>+.05/- .02<br>+.10/- .03<br>+.15/- .03<br>+.20/- .03<br>+.25/- .03<br>+.30/- .03 |      | SCALE 3:2     | UNIT mm | SHEET 1 OF 1 |       |
|  |   | ENG  |      |               |         |              |       |
|  |   | CHK  |      |               |         |              |       |
|  |   | Q.A.   |      |               |         |              |       |