

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

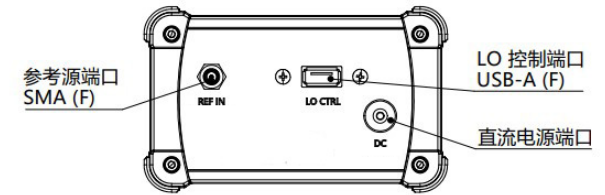
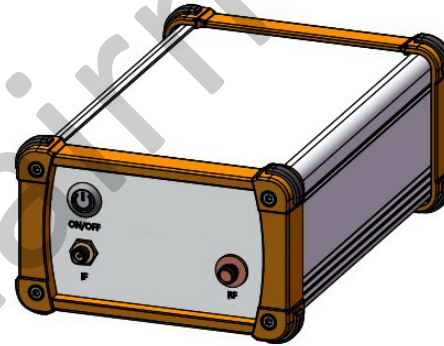
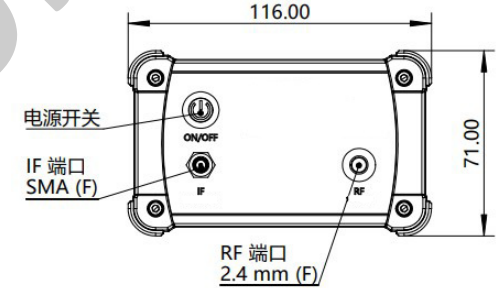
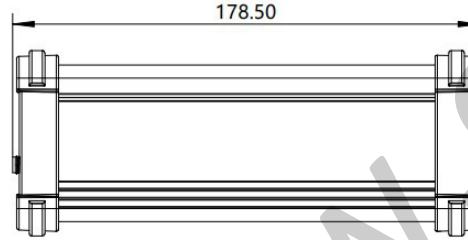
| REVISION HISTORY | | | | | |
|------------------|-----|---------------------|----------|------|----------|
| ZONE | REV | DESCRIPTION | E.C.O.NO | DATE | APPROVED |
| | 1 | ENGINEERING RELEASE | | | |

LFC-2013

18 – 50 GHz 混频器 Frequency Mixer

—电气技术参数 Electrical Specifications—

| | |
|---|------------|
| 射频范围 RF Range: | 18 – 50GHz |
| 本振范围 LO Range: | 22-48GHz |
| 中频范围 IF Range: | DC-20GHz |
| LO-RF 隔离度 LO-RF Isolation: | 45dB |
| LO-IF 隔离度 LO-IF Isolation: | 38dB |
| RF-IF 隔离度 RF-IF Isolation: | 39dB |
| 变频损耗 Conversion Loss: | 10dB |
| 噪声系数 Noise Figure: | 10dB |
| 输入1dB压缩功率IP1dB: | 9dBm |
| 输入功率三阶截断点 IIP3: | 20dBm |
| 外部参考源频率 External Ref. Source Frequency: | 10MHz |
| 外部参考源功率 External Ref. Source Power: | 5 -15dBm |
| 直流电源电压DC Supply Voltage: | +12V |
| 直流电源电流DC Supply Current: | 1.5A(Min.) |
| 工作温度 Operation Temperature: | -20~+40 C |



—机械技术参数 Mechanical Specifications—

| | |
|---|-------------------------|
| RF 连接器 RF Interface: | 2.4mm-F,前面板 |
| LO 连接器 LO Interface: | USB-A-F,后面板 |
| IF 连接器 IF Interface: | SMA-F,前面板 |
| 直流电源连接器DC Power Interface: | 同轴直流电源插座(5.5/2.5mm,后面板) |
| 外部10MHz参考信号输入 External Ref. Signal Interface: | SMA-F,后面板 |
| 重量 Weight : | 950g |

| | | | | | |
|--|--|---|---------|---------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER TOLERANCES ARE: DECIMALS ANGLES FRACTIONS .XX±0.03 ±1' ±2/5 .XXX±0.012 | | 莱尔微波 www.lairmw.com sales@lairmw.com | | P/N: LFC-2013 | |
| | | DRWN | DATE | 18 – 50 GHz 混频器 Frequency Mixer | |
| HOLE DIAMETER .35 TO 3.20 3.21 TO 6.35 6.36 TO 12.70 12.71 TO 19.05 19.06 TO 25.40 25.41 TO 50.80 | TOLERANCES +.05/- .02 +.10/- .03 +.15/- .03 +.20/- .03 +.25/- .03 +.30/- .03 | ENG | CHK | Q.A. | APPROVALS |
| | | SIZE A3 | CAGE NO | DWG NO. | REV 1 |
| | | SCALE 3:2 | UNIT mm | SHEET 1 OF 1 | |