

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 |          |      |          |

## LAP-5015

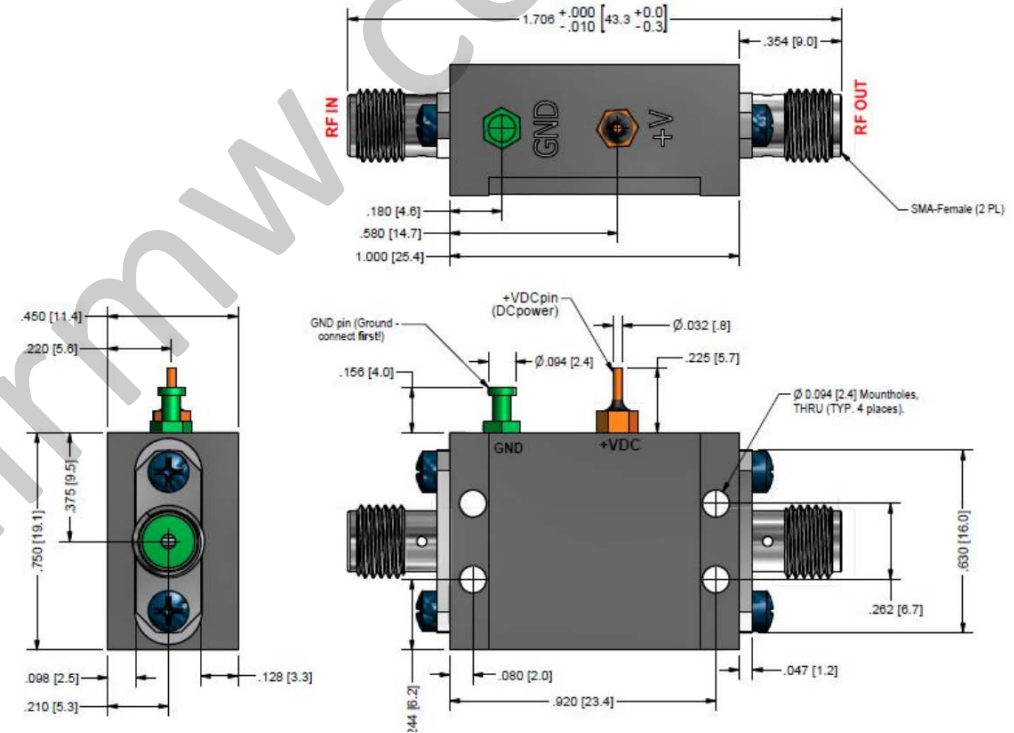
2 – 20 GHz 功率放大器 Power Amplifier

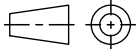


—电气技术参数 Electrical Specifications—

|   |              |
|---|--------------|
| 频率范围 Frequency Range:                         | 2 – 20 GHz   |
| 增益 Gain:                                      | 20dB         |
| 输出 P <sub>1dB</sub> Output P <sub>1dB</sub> : | +12dBm       |
| 输出功率三阶截断点 OIP3:                               | +26dBm       |
| 输入驻波比 Input VSWR:                             | 1.2:1        |
| 输出驻波比 Output VSWR:                            | 1.5:1        |
| 直流偏置电压 DC Supply Voltage:                     | +5 V         |
| 直流偏置电流 DC Supply Current:                     | 100mA        |
| 工作温度 Operation Temperature:                   | -40 ~ +85°C  |
| 存储温度 Storage Temperature:                     | -55 ~ +125°C |

—机械技术参数 Mechanical Specifications—

|                                 |       |
|---------------------------------|-------|
| 输入连接器 Input Interface:          | SMA-F |
| 输出连接器 Output Interface:         | SMA-F |
| 尺寸 Size (excluding connectors): | /     |
| 重量 Weight:                      | /     |



|   |             |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
|---|-------------|---|------------|---|-------------|--|-------------|---------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|---|--|-----------|------|------|--|-----|--|-----|--|------|--|---|--|--|--|------|---------|---------|-----|----|--|--|---|-------|------|--------------|--|-----|----|--|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE MILLIMETER<br>TOLERANCES ARE:<br>DECIMALS ANGLES FRACTIONS<br>.XX±0.03 ±1' ±2/5<br>.XXX±0.012  |             |  |            |  |             | <br>www.lairmw.com sales@lairmw.com |             | P/N: LAP-5015 |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
| <table border="1"> <tr> <td>HOLE DIAMETER</td> <td>TOLERANCES</td> </tr> <tr> <td>.35 TO 3.20</td> <td>+0.05/-0.02</td> </tr> <tr> <td>3.21 TO 6.35</td> <td>+0.10/-0.03</td> </tr> <tr> <td>6.36 TO 12.70</td> <td>+0.15/-0.03</td> </tr> <tr> <td>12.71 TO 19.05</td> <td>+0.20/-0.03</td> </tr> <tr> <td>19.06 TO 25.40</td> <td>+0.25/-0.03</td> </tr> <tr> <td>25.41 TO 50.80</td> <td>+0.30/-0.03</td> </tr> </table> |             | HOLE DIAMETER   | TOLERANCES | .35 TO 3.20   | +0.05/-0.02 | 3.21 TO 6.35   | +0.10/-0.03 | 6.36 TO 12.70 | +0.15/-0.03 | 12.71 TO 19.05 | +0.20/-0.03 | 19.06 TO 25.40 | +0.25/-0.03 | 25.41 TO 50.80 | +0.30/-0.03 | <table border="1"> <tr> <td>Approvals</td> <td>DATE</td> </tr> <tr> <td>DRWN</td> <td></td> </tr> <tr> <td>ENG</td> <td></td> </tr> <tr> <td>CHK</td> <td></td> </tr> <tr> <td>Q.A.</td> <td></td> </tr> </table> |  | Approvals | DATE | DRWN |  | ENG |  | CHK |  | Q.A. |  | <p align="center">2- 20GHz 功率放大器 Power Amplifier<br/>增益 Gain 20dB</p> <table border="1"> <tr> <td>SIZE</td> <td>CAGE NO</td> <td>DWG NO.</td> <td>REV</td> </tr> <tr> <td>A3</td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>SCALE</td> <td>UNIT</td> <td colspan="2">SHEET 1 OF 1</td> </tr> <tr> <td>3:2</td> <td>mm</td> <td colspan="2"></td> </tr> </table> |  |  |  | SIZE | CAGE NO | DWG NO. | REV | A3 |  |  | 1 | SCALE | UNIT | SHEET 1 OF 1 |  | 3:2 | mm |  |  |
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| .35 TO 3.20   | +0.05/-0.02 |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
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| DRWN  |             |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
| ENG   |             |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
| CHK   |             |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
| Q.A.  |             |   |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
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| A3  |             |   | 1          |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
| SCALE   | UNIT        | SHEET 1 OF 1  |            |   |             |  |             |               |             |                |             |                |             |                |             |   |  |           |      |      |  |     |  |     |  |      |  |   |  |  |  |      |         |         |     |    |  |  |   |       |      |              |  |     |    |  |  |
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