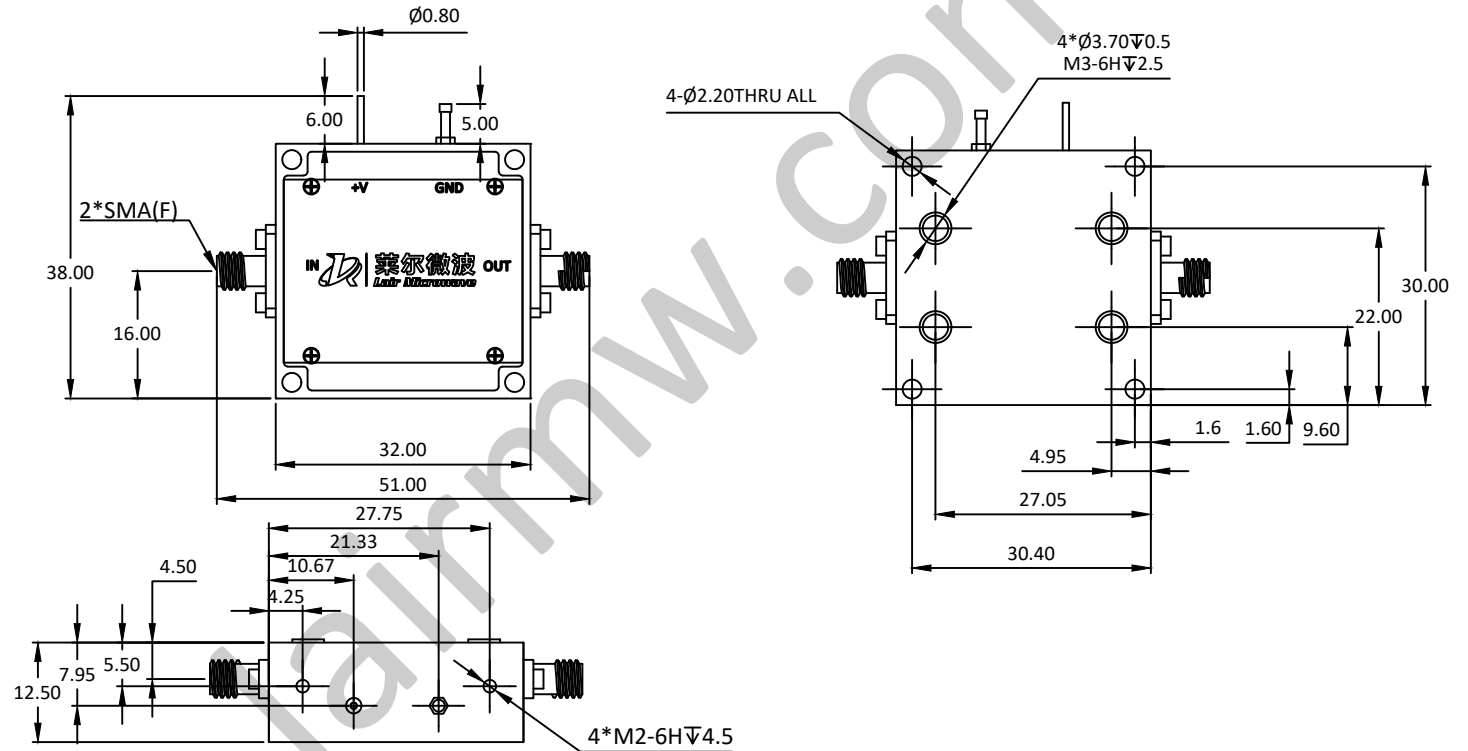
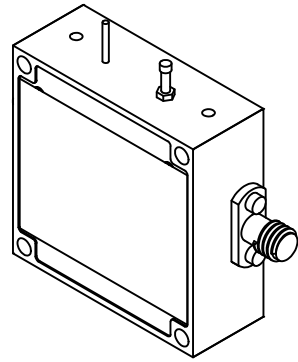


NOTES: UNLESS OTHERWISE SPECIFIED  
THIS IS A CAD GENERATED DRAWING, DO NOT REVISE MANUALLY

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



## LAL-2012

8 - 12GHz 低噪声放大器 Low Noise Amplifier

### —电气技术参数 Electrical Specifications—

|   |              |
|---|--------------|
| 频率范围 Frequency Range:                         | 8 - 12GHz    |
| 增益 Gain:                                      | 29dB         |
| 增益平坦度 Gain Flatness:                          | ±1.0dB       |
| 噪声系数 Noise Figure:                            | 1.1dB        |
| 输出 P <sub>1dB</sub> Output P <sub>1dB</sub> : | 3dBm         |
| 输入驻波比 Input VSWR:                             | 25dB         |
| 输出驻波比 Output VSWR:                            | 15dB         |
| 直流偏置电压 DC Supply Voltage:                     | +6 ~ +15V    |
| 直流偏置电流 DC Supply Current:                     | 10mA         |
| 工作温度 Operation Temperature:                   | -40 ~ +60°C  |
| 存储温度 Storage Temperature:                     | -65 ~ +125°C |

### —机械技术参数 Mechanical Specification—

|                                 |                |
|---------------------------------|----------------|
| 输入连接器 Input Interface:          | SMA-F          |
| 输出连接器 Output Interface:         | SMA-F          |
| 尺寸 Size (excluding connectors): | 32mm*32mm*12mm |
| 重量 Weight:                      | 27g            |

|   |               |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
|---|---------------|------------|---------------------------------|---------|---------------|--------------|---------------|---------|----------------|---------|----------------|---------|----------------|---------|------|--|---|--|--|
| 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  |               |            | www.lairmw.com sales@lairmw.com |         | P/N: LAL-2012 |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
|   |               |            | Approvals                       | DATE    |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| <table border="1"> <tr> <td>HOLE DIAMETER</td> <td>TOLERANCES</td> </tr> <tr> <td>.35 TO 3.20</td> <td>+05/-02</td> </tr> <tr> <td>3.21 TO 6.35</td> <td>+10/-03</td> </tr> <tr> <td>6.36 TO 12.70</td> <td>+15/-03</td> </tr> <tr> <td>12.71 TO 19.05</td> <td>+20/-03</td> </tr> <tr> <td>19.06 TO 25.40</td> <td>+25/-03</td> </tr> <tr> <td>25.41 TO 50.80</td> <td>+30/-03</td> </tr> </table> | HOLE DIAMETER | TOLERANCES | .35 TO 3.20                     | +05/-02 | 3.21 TO 6.35  | +10/-03      | 6.36 TO 12.70 | +15/-03 | 12.71 TO 19.05 | +20/-03 | 19.06 TO 25.40 | +25/-03 | 25.41 TO 50.80 | +30/-03 | DRWN |  | <b>8-12GHz 低噪声放大器 Low Noise Amplifier</b><br><b>增益 Gain 29dB, 噪声系数 NF 1.1dB</b> |  |  |
|   | HOLE DIAMETER | TOLERANCES |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| .35 TO 3.20   | +05/-02       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| 3.21 TO 6.35  | +10/-03       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| 6.36 TO 12.70   | +15/-03       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| 12.71 TO 19.05  | +20/-03       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| 19.06 TO 25.40  | +25/-03       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| 25.41 TO 50.80  | +30/-03       |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| ENG   |               |            |                                 |         |               |              |               |         |                |         |                |         |                |         |      |  |   |  |  |
| CHK   |               | SIZE       | A3                              | CAGE NO | DWG NO.       | REV          | 1             |         |                |         |                |         |                |         |      |  |   |  |  |
| Q.A.  |               | SCALE      | 3:2                             | UNIT    | mm            | SHEET 1 OF 1 |               |         |                |         |                |         |                |         |      |  |   |  |  |