



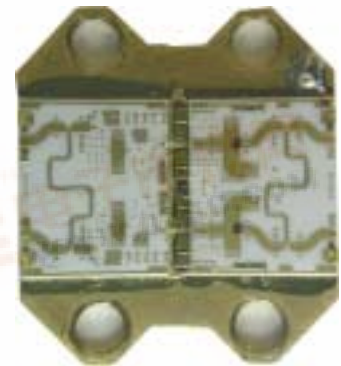
TM031-035-14-06

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### 3.1 - 3.5 GHz LNA Module

#### FEATURES

- $P_{-1}$  dB: 6 dBm
- Small Signal Gain: 14 dB
- Noise Figure: 1.0 dB
- Bias Condition: 36 mA @ 8 V



#### ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

| SYMBOL      | DESCRIPTION                           | MIN | TYP       | MAX       | UNITS |
|-------------|---------------------------------------|-----|-----------|-----------|-------|
| FREQ        | Frequency Range                       | 3.1 |           | 3.5       | GHz   |
| SSG         | Small Signal Gain                     | 12  | 14        |           | dB    |
| GOF         | SSG Flatness                          |     | $\pm 0.3$ | $\pm 0.5$ | dB    |
| $P_{-1}$ dB | Output Power at 1 dB Gain Compression |     | 6         |           | dBm   |
| NF          | Noise Figure                          |     | 1.0       | 1.2       | dB    |
| VSWR, IN    | Input VSWR                            |     | 1.5:1     | 1.7:1     | -     |
| VSWR, OUT   | Output VSWR                           |     | 1.5:1     | 1.7:1     | -     |
| VDC         | Supply Voltage                        |     | 8         |           | Volt  |
| IDC         | Current Supply                        |     | 36        | 40        | mA    |

CARRIER: S33 / Z33