

HD24404

2500 – 2700MHz Low Noise Amplifier

Features

- Frequency Range: 2.5-2.7GHz
- Gain: 23dB
- P_{1dB}: +10dBm
- IP3: +20dBm
- Noise Figure: 1.8dB
- DC Power: 12V
- SMA Connector

Performance measured @ 2.60GHz



Description

HD24404 is a Low Noise Amplifier operates with frequency range for 2.5-2.7GHz MMDS Band.

Electrical Specifications @ +25 °C

| Parameter | Unit | Minimum | Typical | Maximum |
|------------------|------|---------|---------|---------|
| Frequency Range | GHz | 2.5 | | 2.7 |
| Gain | | | | |
| f = 2.50GHz | dB | | 23 | |
| f = 2.60GHz | dB | | 23 | |
| f = 2.70GHz | dB | | 23 | |
| P _{1dB} | | | | |
| f = 2.50GHz | dBm | | +10 | |
| f = 2.60GHz | dBm | | +10 | |
| f = 2.70GHz | dBm | | +10 | |
| IP3 | | | | |
| f = 2.60GHz | dBm | | +20 | |
| Noise Figure | | | | |
| f = 2.50GHz | dB | | 1.8 | |
| f = 2.60GHz | dB | | 1.8 | |
| f = 2.70GHz | dB | | 1.8 | |
| VSWR | | | | |
| f = 2.60GHz | | | | |
| Input VSWR | | | 2.3:1 | |
| Output VSWR | | | 1.5:1 | |
| DC Power Supply | V | 6 | 12 | 15 |
| Supply Current | mA | | 45 | |