

L-BAND POWER AMPLIFIER P/N TWPA15591610015

Main Features

- 1559 – 1610 MHz
- 15 Watt CW Output Power
- Gain: 42dB min
- Output Connector : SMA female
- Single 28 V power supply

Typical Applications

- Wireless Infrastructure
- Military & Aerospace
- RF Microwave & VSAT
- Test Instrumentation

| Electrical Specifications | | | | |
|-------------------------------|------|------|-------|------|
| Parameter | Unit | Min. | Typ. | Max. |
| Frequency Range | MHz | 1559 | | 1610 |
| Power Gain | dB | 42 | 43 | |
| Saturated Output Power Level | dBm | 42 | 43 | |
| Gain Flatness | dB | | +/- 1 | |
| Input VSWR | :1 | | 1.5 | 2 |
| Output VSWR | :1 | | 1.5 | 2 |
| Input Power Level (no damage) | dBm | | | 10 |
| DC Current | A | | 2 | |
| Power Supply | V | 27 | 28 | 29 |

| Environmental Specifications | | |
|------------------------------|------|---------------|
| Parameter | Unit | Specification |
| Operating temperature range | °C | -40 to + 85 |
| Storage Temperature range | °C | -55 to +105 |

| Mechanical Specifications | | |
|---------------------------|------|---------------------|
| Parameter | Unit | Specification |
| Dimensions | mm | 180 * 90 * 30 |
| RF connectors | | 50 Ohm SMA - Female |
| Material | | Aluminum |

| Control Port Pinout | |
|-----------------------------------|--|
| I/O Interface (D-SUB 9 pins male) | 1: ENABLE 2: Forward Power Monitor 3: Reflected Power Monitor 4: TEMP Monitor 5: VSWR Fail Alarm 6: 28V 7: 28V 8: GND 9: GND |