



# AMP2127 DUAL BAND SOLID STATE HIGH POWER AMPLIFIERS

## FEATURES

- High power ultrawide bandwidth, 2-Bands
- 2 inputs and 2 outputs, rack mount chassis
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

| MODEL                      | Band A              | Band B         |
|----------------------------|---------------------|----------------|
| PARAMETERS                 | SPECIFICATIONS      |                |
| Frequency Range            | 2.0 - 6.0 GHz       | 6.0 - 18.0 GHz |
| Saturated Output Power CW  | 20 Watt Min         | 20 Watt Min    |
| Small Signal Gain          | 43 dB               |                |
| Power Gain Flatness        | 4 dB p-p Max        |                |
| Input Return Loss          | 10 dB Min           |                |
| Noise Figure               | 10 dB Max           |                |
| Harmonics                  | -20 dBc Typ         |                |
| Non-Harmonics Spurious     | -60dBc Max          |                |
| Operating Voltage          | 100 - 240 VAC Nom   |                |
| AC Power Consumption       | 250 Watt Max        | 500 Watt Max   |
| Max Input Power Protection | + dBm               |                |
| Load VSWR Protection       | 5 : 1 Max no damage |                |

## ENVIRONMENTAL CHARACTERISTICS

| PARAMETERS                    | SPECIFICATIONS           |
|-------------------------------|--------------------------|
| Operating Ambient Temperature | 0 to +50 °C              |
| Storage Temperature           | -20 to +75 °C            |
| Relative Humidity             | 5 to 95 % Non-Condensing |

## MECHANICAL SPECIFICATIONS

| PARAMETERS                     | SPECIFICATIONS                               |
|--------------------------------|--|
| Dimensions W x H x D           | 430 x 133 x 558 mm (3U rack mounted chassis) |
| Weight                         | 20 kg.                                       |
| RF Connectors In/Out           | SMA Female                                   |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub                  |
| Cooling                        | Built in Fan Cooling                         |

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## OUTLINE DRAWING

