



# AMP6015 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mounted system
- Class AB solid-state linear design
- L-Band high power applications
- Suitable for all modulations standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

| Parameter                    | Specification  | Notes                |
|------------------------------|----------------|----------------------|
| Operating Frequency Range    | 1175 - 1178MHz |                      |
| Power Output                 | 200 Watt Min   | CW                   |
| Power Gain                   | 55 dB Min      |                      |
| Small Signal Gain Flatness   | 3.0 dB p-p Max | Constant input power |
| Input Return Loss            | <10 dB         | Relative to 50 Ohm   |
| 2-Tone Intermodulation (IMD) | >30dBc Typ     | 43dBm/Tone, Δ = 1MHz |
| Harmonics                    | >20 dBc Typ    | At 200 Watt          |
| Noise Figure                 | <10 dB         |                      |
| Non Harmonics Spurious       | 60 dBc Min     |                      |
| Operating Voltage            | 100 - 260 VAC  |                      |
| Power Consumption            | 900 Watt Max   | At rated Pout        |
| Max Input Power              | +27 dBm        | Protection Circuit   |
| Load VSWR Protection         | ∞ : 1          |                      |

## ENVIRONMENTAL CHARACTERISTICS

| Parameter                     | Specification          | Notes          |
|-------------------------------|------------------------|----------------|
| Operating Ambient Temperature | 0 to +50 °C            |                |
| Storage Temperature           | -40 to +85 °C          |                |
| Relative Humidity             | 5 to 95 %              | Non Condensing |
| Shock and Vibrations          | Normal truck transport |                |
| Altitude                      | 10,000 feet Min        |                |

## MECHANICAL SPECIFICATIONS

| Parameter  | Specification                    | Notes                        |
|--|----------------------------------|------------------------------|
| Dimensions W x H x D   | 430 x 133 x 560 mm               | 3U                           |
| Weight   | 20 kg.                           |                              |
| RF Connectors In/Out   | Type-N Female                    |                              |
| AC Power / Interface Connector   | IEC 60320-C14 / 9-Pin D-Sub      |                              |
| Cooling  | Built in Fan Cooling             | Variable speed               |
| <b>OPTIONAL:</b> Digital Monitor & Control<br>FWD, REV, VSWR, GAIN, ALC, V & I, TEMP | Ethernet RJ-45 TCP/IP, RS422/485 | Remote Bluetooth application |

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## OUTLINE DRAWING

