



AMP6036-LC SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- V-Band high power CW applications
- High power linear GaN design
- Outdoor system
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

| Parameter | Specification | Notes |
|---------------------------------------|-------------------------|------------------------|
| Operating Frequency Range | 43.0 - 43.5 GHz | Nominal |
| Power Output @ Psat | 100 Watt Min | CW |
| Power Gain | 65 dB Min | |
| Gain Adjustment Range | 20 dB Min | 0.1dB steps (goal) |
| Input / Output VSWR | 1.35 : 1 Min | Relative to 50 Ohm |
| 3 rd Order Intermodulation | -18 dBc Max | @ 43dBm/Tone |
| Harmonics | -30 dBc Max | At rated output |
| Spurious | -60 dBc Max | Non-harmonic |
| Operating Voltage | 100 - 240 VAC, 47-53 Hz | |
| Power Consumption | 1200 Watt Max | At rated output |
| Input Power Protection | +3 dBm Max | <10 Sec without damage |
| Load VSWR Protection | ∞ : 1 | Output isolator |

ENVIRONMENTAL CHARACTERISTICS

| Parameter | Specification | Notes |
|-------------------------------|---------------|-------------------|
| Operating Ambient Temperature | 0 to +60°C | |
| Storage Temperature | -40 to +85 °C | |
| Relative Humidity | 5 to 100 % | With-condensation |

MECHANICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|--|--|------------------------------|
| Dimensions W x H x D | 423 x 444 x 580 mm | 10U - without weatherization |
| Weight | 60 Kg. Typical weight | Without weatherization |
| RF Connectors In / Sample / Output | 2.4 mm-F / 2.4 mm-F / WR22 | Front or rear panel |
| AC Power | IEC 60320-C14 / 9-Pin D-Sub | Or equivalent |
| Cooling | Hybrid Air to liquid Quiet Cool design | Closed system |
| STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP | Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface | |

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OUTLINE DRAWING

