



Solid State Power Amplifier 700 to 18,000 MHz, 15 Watts

Features

RN-SSPA-1121-15W

- Dual-Band, manual relay switching
- Rack Mounted System Class AB linear
- GaN design Built-in protection circuits
- High reliability and rugged design.

| Parameter | Specification | | Notes |
|--|-------------------------------|----------------|------------------------------|
| | Band A | Band B | |
| Band | | | |
| Operating Frequency Range by Band | 0.70 – 6.0 GHz | 6.0 – 18.0 GHz | CW or Pulse |
| Power Output CW Band A / Band B | 15 Watt Min | | |
| Power Gain | 42 dB Min | | 0dBm or less for Rated Power |
| Power Gain Flatness | 4.0 dB p-p Max | 5.0 dB p-p Max | Constant input power |
| Gain Adjustment Range | >20 dB Typ | | Local or remote capable |
| Input Return Loss | -10 dB Max | | Relative to 50 Ohm |
| 2-Tone Intermodulation (IMD) Band A / Band B | -30 dBc Typ | | 32dBm/Tone, Δ = 1MHz |
| Harmonics | -20 dBc Typ | | At rated Pout |
| Spurious | -60 dBc Max | | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | | 47-63 Hz |
| Power Consumption | 300 Watt Max | | At rated Pout |
| Input Power Protection | +10 dBm Max ¹ | | |
| Load VSWR Protection | 4 : 1: Max ² | | Foldback @ preset limit |
| Sample Port (optional) | -40 dB | | N-Female |
| Parameter | Specification | | Notes |
| Operating Ambient Temperature | 0 to +50 °C | | |
| Storage Temperature | -40 to +85 °C | | |
| Relative Humidity | up to 95 % | | Non-condensing |
| Altitude | 3000 meters | | |
| Shock & Vibration | Normal transport ³ | | |
| Parameter | Specification | | Notes |
| Dimensions W x H x D | 430 x 133 x 560 mm | | 3U - excluding handles |
| Weight | 17 kg. | | |
| RF Conn. In / Out / Sample | N-Female | | Front or Rear Panel |
| Interface Connector | 9-Pin D-Sub | | Rear panel |
| AC Power | IEC 60320-C14 | | Or equivalent |
| Safety Interlock Connector | BNC female | | Open=STBY/Short=RFON |
| Cooling | Built in Fan Cooling | | Variable speed |

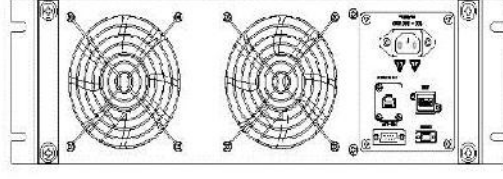
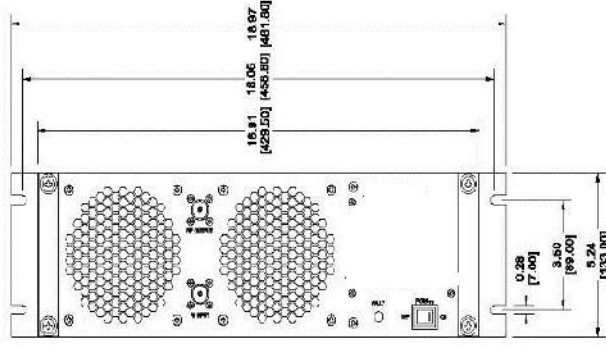
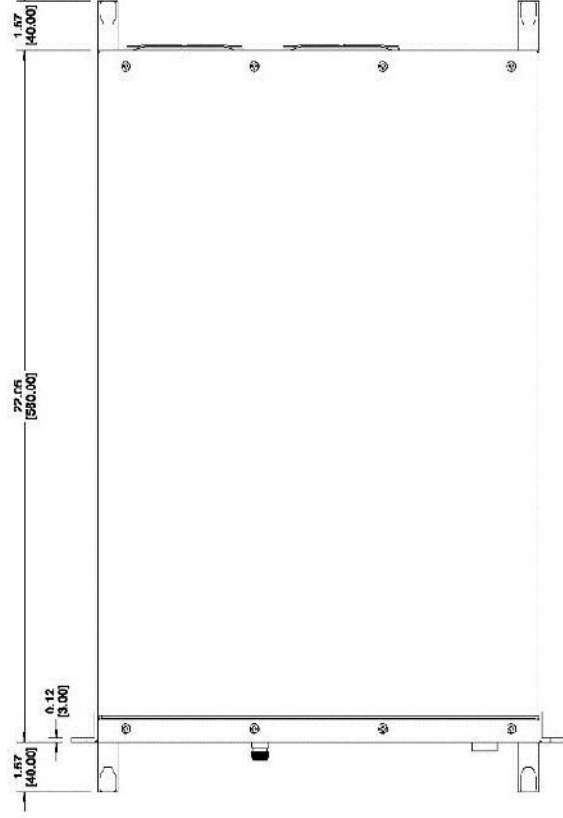
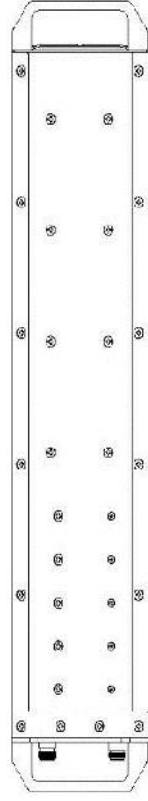


R & N MICROWAVE

Solid State Power Amplifier 700 to 18,000 MHz, 50 Watts



MECHANICAL OUTLINE



1 2 3 4 5 6 7 8

f e d c b a