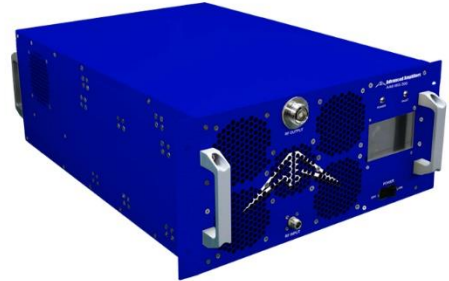


FEATURES

- Rack mounted system
- State of the Art CW class AB linear GaN design
- Instantaneous wide bandwidth
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|------------------------------|----------------|------------------------------|
| Operating Frequency Range | 6.0 - 18.0 GHz | |
| Power Output @ Psat | 300 Watt Min | CW |
| Power Gain | 55 dB Min | Nominal Pin = 0dBm |
| Power Gain Flatness | 5 dB p-p Max | Constant input power |
| Input / Output Return Loss | 10 dB Min | Relative to 50 Ohm |
| 2-Tone Intermodulation (IMD) | -30 dBc Typ | 43dBm/Tone, $\Delta = 1$ MHz |
| Harmonics | <-20 dBc Typ | At rated output |
| Spurious | -60 dBc Max | Non-harmonic |
| Power Consumption | <5000 Watt Typ | At rated output |
| Input Power Protection | +3 dBm Max | <10 Sec without damage |
| Load VSWR Protection | 5 : 1 | <1 minute at rated min Pout |

ENVIRONMENTAL CHARACTERISTICS

| Parameter | Specification | Notes |
|-------------------------------|---------------|------------------|
| Operating Ambient Temperature | 0 to +50 °C | |
| Storage Temperature | -40 to +85 °C | |
| Relative Humidity | 5 to 95 % | Non-condensation |

MECHANICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|--|--|------------------------|
| Dimensions W x H x D | 482 x 311 x 600 mm | R7U rack mount chassis |
| Weight | 150 lb. | Typical |
| RF Connectors In/Out | Hi Freq. N/ WRD650 | Front Panel Standard |
| AC Connector | IEC 60320-C14 | Or equivalent |
| AC Power | 180 - 260 VAC, 3-Phase, 47 - 63 Hz | |
| Cooling | Built in Fan Cooling | Variable speed |
| OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP | Full feature controller is not available | |

OUTLINE DRAWING

