

## MODEL : ZSA5656 - 1G6G

- Class A Solid state
- Utilises the latest GaN-HEMT
- Broadband(Instantaneous Single Band)
- Linear Output Power(1dB Gain Compression)
- Low Distortion
- Internal Systems Diagnostics and Status Indicator
- Custom Rack / 16U / Bench Case
- 3Years Standard Warranty

### Built - In Protection

- High Temperature
- Supply Voltage
- FWD Over Power
- REF Over Power

### Maintenance

- Amplifier Designed For Minimal Maintenance
- Rapid Diagnostic
- Minimal Downtime

### Other Amplifiers Available

- |                    |            |
|--------------------|------------|
| • ZSA4343 - 700M6G | ⇒ 15~20W   |
| • ZSA4747 - 700M6G | ⇒ 30~50W   |
| • ZSA5050 - 700M6G | ⇒ 60~100W  |
| • ZSA5353 - 700M6G | ⇒ 120~200W |
| • ZSA5858 - 1G6G   | ⇒ 450~650W |
| • ZSA6060 - 1G6G   | ⇒ 500~1kW  |

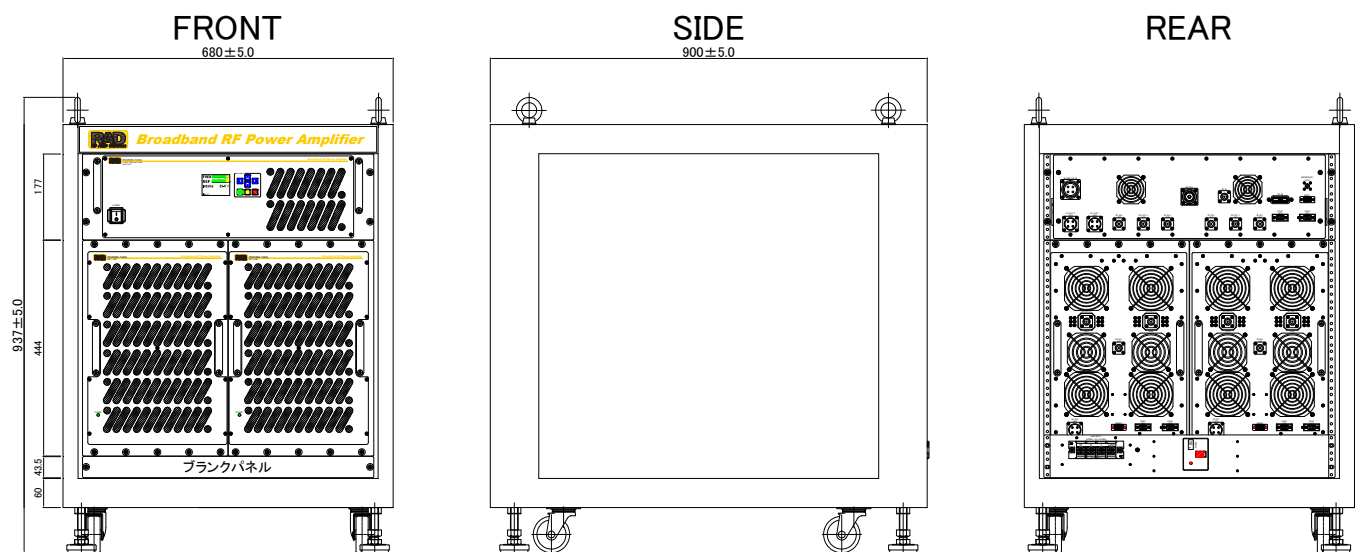
### Applications

- EMC Tests
- RF Tests And Instrumentation
- Radio communication
- Measurement And Research Laboratories

### Additional Options

- RF Connector Type
- RF Connector on Front Panel
- RF Sample Port (Front or Rear Panel)
- Detected Sample Port (Front or Rear Panel)
- RF Input Switch
- Gain Control

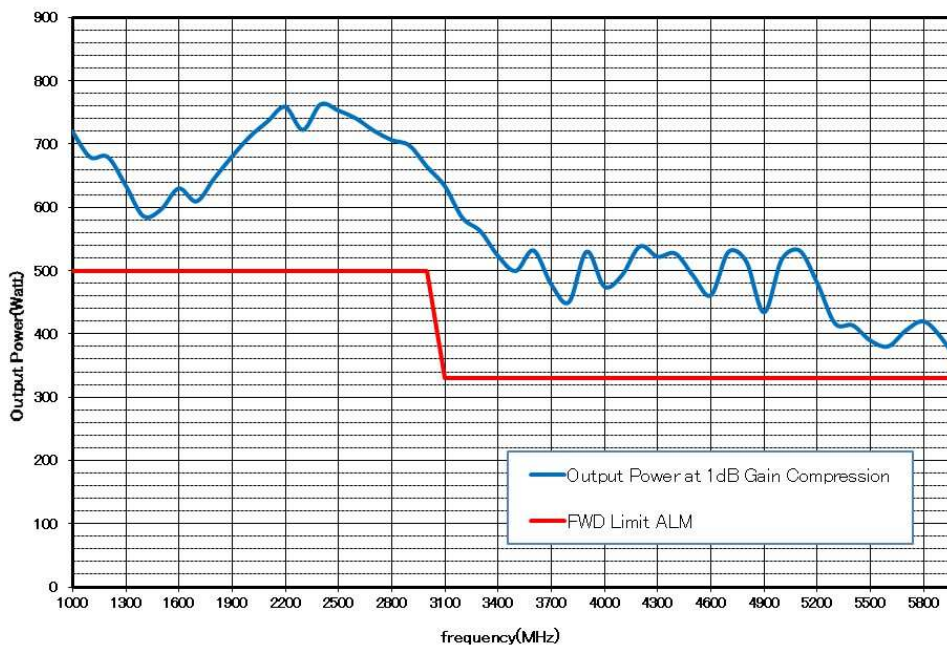
### Outline Drawing ※ In Millimeters



### Specifications

• Frequency Bandwidth	1GHz - 6GHz
• Rated Output Power(1dB Gain Compression)	450W CW (min)@1G~3GHz 300W CW (min)@3~6GHz
• Class Type	Class A
• Gain	56dB (min)
• Gain Flatness	±3.0dB (max)
• Impedance	50ohms nominal
• Harmonics	-18dBc (min) @Po=minimum P1dB
• Spurious	-70dBc (max) @Po=minimum P1dB
	-80dBc (typical)
• Input VSWR	2:1 (max)
• Output VSWR	3:1 (typ)
• RF Input Connector	N-Female (Rear Panel)
• RF Output Connector	7/16-Female (Rear Panel)
• Input Power	+3dBm (max)
• Operating Temperature	0°C - +35°C
• Room Temperature Storage	-20°C - +70°C
• Cooling	Forced Air (Self Contained Fans)
• Power Voltage	200-240VAC, 50 - 60Hz, Three Phase
• Rated Current	20A at 200VAC @ Po=minimum P1dB
• Weight	250kg
• Dimensions	Custom System Rack / EIA 16U (W)680 x (D)900 x (H)937 mm
• Safety Interlock	Connector Type BNC-Female
• Remote	IEEE 488 Control

Model ZSA5656-1G6G Typical Power Output



※ Continual operation exceeded specified power-output may cause product damage.