

MODEL : ZSA6060 – 1G6G

- Class A Solid state
- Automotive Radar Pulse (1.2-1.4G, 2.7-3.2GHz is Hi-Power)
- 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 / 27U / 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
- ZSA5656 – 1G6G ⇒ 300~450W
- ZSA5858 – 1G6G ⇒ 450~650W

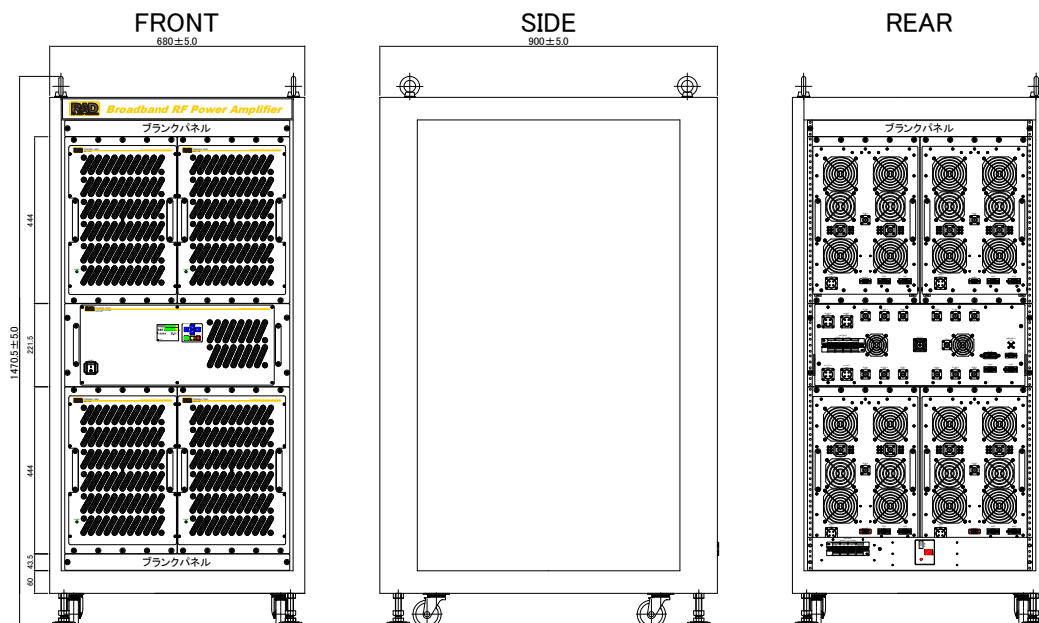
Applications

- EMC Tests
- Automotive Radar Pulse
- 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

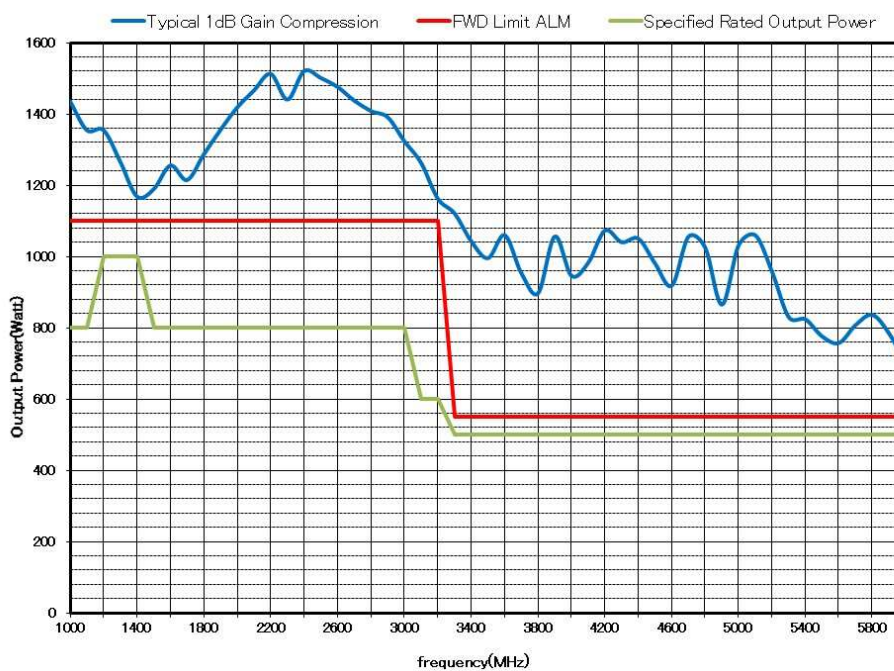
Outline Drawing ※ In Millimeters



Specifications

• Frequency Bandwidth	1GHz - 6GHz
• Rated Output Power(1dB Gain Compression)	800W CW (min)@1G~3GHz 500W CW (min)@3~6GHz
• Rated Output Power(Saturated)	1000W CW (typ)@1.2G~1.4GHz 600W CW (typ)@2.7G~3.2GHz
• Class Type	Class A
• Gain	59dB (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	40A at 200VAC @ Po=minimum P1dB
• Weight	350kg
• Dimensions	Custom System Rack / EIA 27U (W)680 x (D)900 x (H)1470 mm
• Safety Interlock	Connector Type BNC-Female
• Remote	IEEE 488 Control

Model ZSA6060-1G6G Typical Power Output



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