

### MODEL : ZSA5050 – 80M1G

- Class AB Solid state
- Utilises the latest MOS-FET
- Broadband(Instantaneous Single Band)
- Linear Output Power
- Low Distortion
- Internal Systems Diagnostics and Status Indicator
- 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

- ZSA5353 – 80M1G ⇒ 200W
- ZSA5555 – 80M1G ⇒ 300W
- ZSA5858 – 80M1G ⇒ 600W
- ZSA6161 – 80M1G ⇒ 1200W

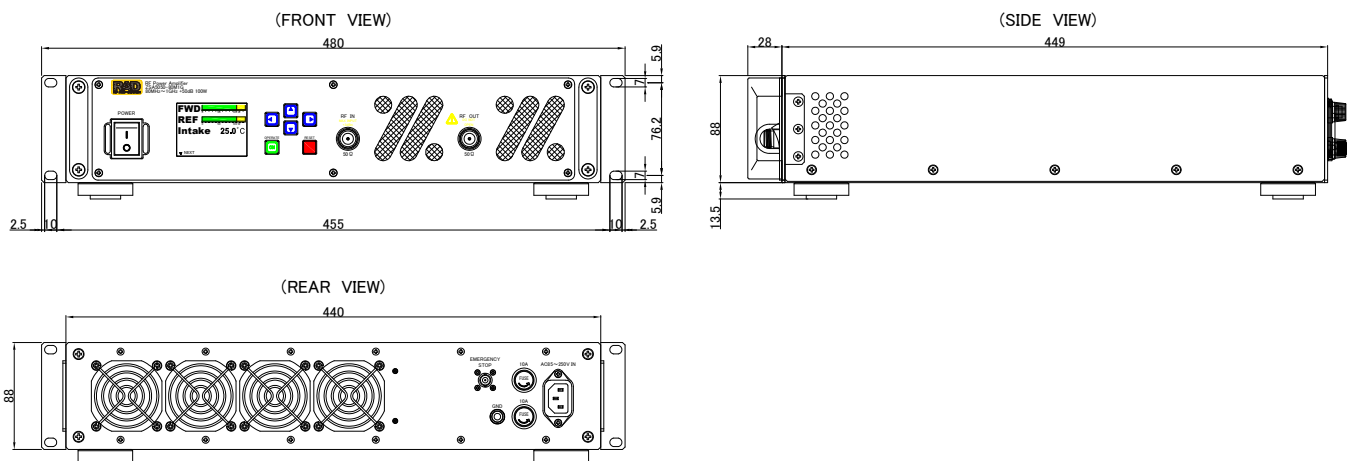
#### Applications

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

#### Additional Options

- RF Connector Type
- RF Connector on Rear Panel
- RF Sample Port (Front or Rear Panel)
- Detected Sample Port (Front or Rear Panel)
- RF Input Switch
- Gain Control
- IEEE488 Control

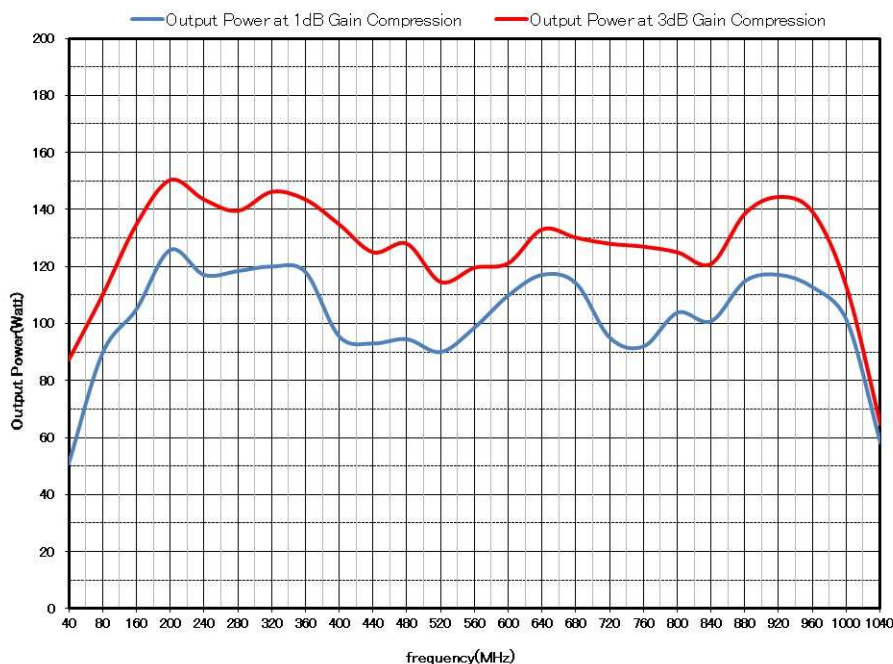
#### Outline Drawing ※ In Millimeters



### Specifications

• Frequency Bandwidth	80MHz - 1GHz
• Rated Output Power(3dB Gain Compression)	100W CW (min)
• Rated Output Power(1dB Gain Compression)	80W CW (min)
• Class Type	Class AB
• Gain	50dB (min)
• Gain Flatness	±2.0dB (max)
• Impedance	50ohms nominal
• Harmonics	-20dBc (max) @Po=80W
• Spurious	-70dBc (max) @Po=80W
	-80dBc (typical)
• Input VSWR	2:1 (max)
• Output VSWR	3:1 (max)
• RF Input Connector	N-Female (Front Panel)
• RF Output Connector	N-Female (Front Panel)
• Input Power	+3dBm (max)
• Operating Temperature	0°C - +40°C
• Room Temperature Storage	-20°C - +70°C
• Cooling	Forced Air (Self Contained Fans)
• Power Voltage	85~250VAC, 50 - 60Hz, Single Phase
• Rated Current	7A at 100VAC
• Weight	15kg
• Dimensions	(W)480 x (D)450 x (H)88 mm
• Safety Interlock	Connector Type BNC-Female

Model ZSA5050-80M1G Typical Power Output



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