

MODEL : ZSA5858 – 80M1GA

- Class A Solid state
- 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

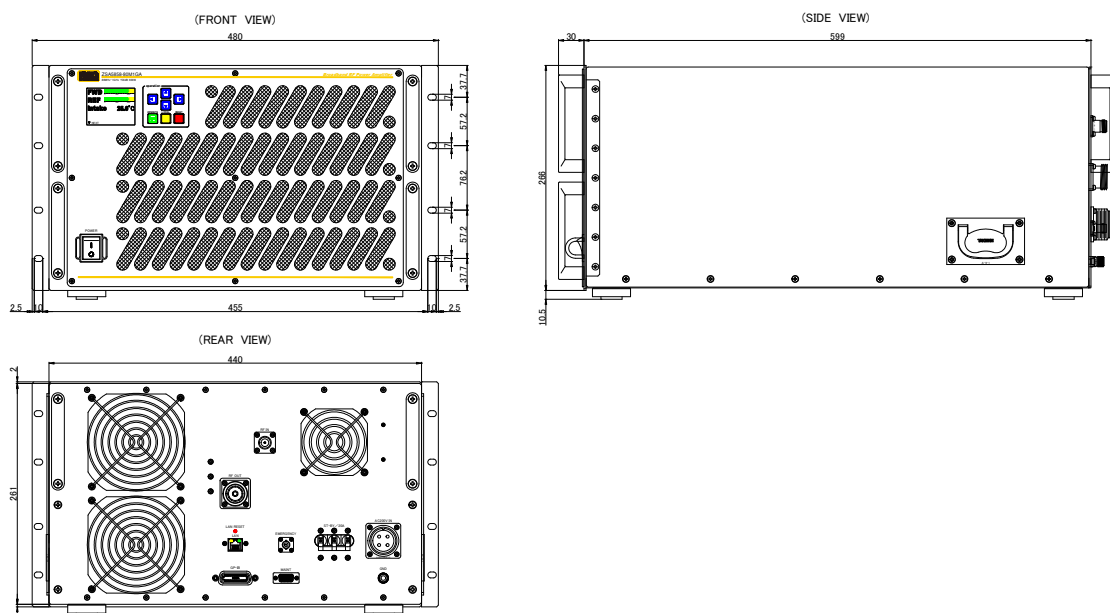
Applications

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

Additional Options

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

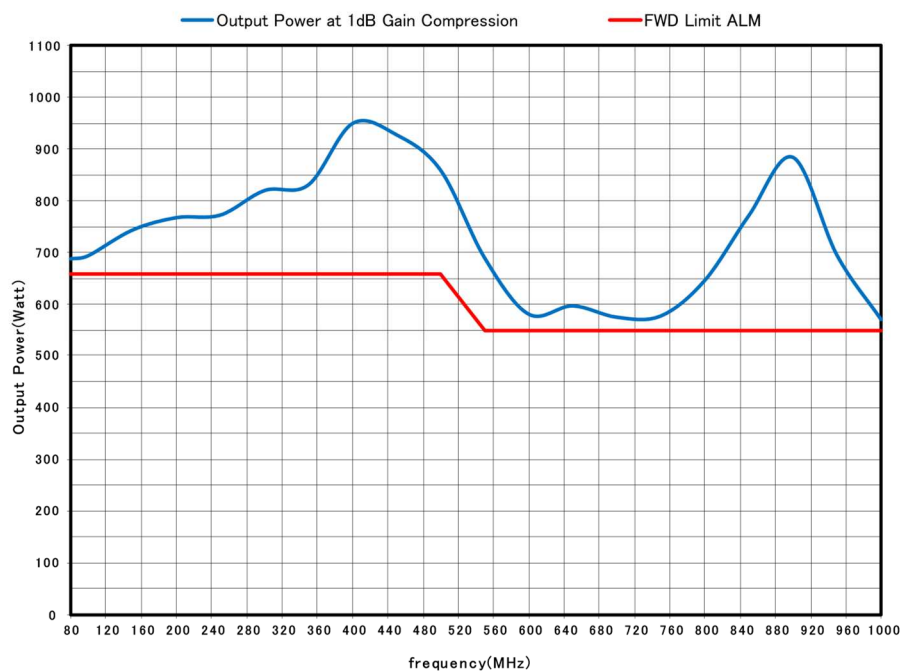
Outline Drawing ※ In Millimeters



Specifications

• Frequency Bandwidth	80MHz - 1GHz
• Rated Output Power(1dB Gain Compression)	600W CW (min)@80M~500MHz 500W CW (min)@500M~1GHz
• Gain Compression	1dB(max) @Po= Rated Output Power ※1
• Class Type	Class A
• Gain	58dB (min)
• Gain Flatness	±3.5dB (max)
• Impedance	50ohms nominal
• Harmonics	-18dBc (max) @Po=Rated Output Power
• Spurious	-70dBc (max) @Po=Rated Output Power
• Input VSWR	2:1 (max)
• 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	15A at 200VAC Three Phase
• Weight	50kg
• Dimensions	(W)480 x (D)600 x (H)266 mm
• Safety Interlock	Connector Type BNC-Female
• REMOTE	IEEE488 Ethernet

Model ZSA5858-80M1GA Typical Power Output



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

※1 Indicates the output power level at which the specified gain compression occurs, referenced to the input level 10 dB below that at the measured output power.

Revision History

Rev	Item	Details	DATA
-01	Rated Output Power(1dB Gain Compression)	600W CW (min)@80M~500MHz 500W CW (min)@500M~1GHz	2026/05/07
	Gain Flatness	$\pm 3.5\text{dB}$ (max)	
	Operating Temperature	0°C - +35°C	