MODEL : ZSA5050 – 100K400M

- Class A 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

Maintenance

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

Built-in Protection

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

Other Amplifiers Available

- ZSA4646 – 100K400M ⇒ 40W
- ZSA5353 – 100K400M ⇒ 200W
- ZSA5555 – 100K400M ⇒ 300W
- ZSA5757 – 100K400M ⇒ 500W

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**: 100kHz – 400MHz
- **Rated Output Power (3dB Gain Compression)**: 100W CW (min)
- **Rated Output Power (1dB Gain Compression)**: 70W CW (min)
- **Class Type**: Class A
- **Gain**: 50dB (min)
- **Gain Flatness**: ±2.0dB (max)
- **Impedance**: 50ohms nominal
- **Harmonics**: -20dBc (max) @Po=70W, -70dBc (max) @Po=70W, -80dBc (typical)
- **Spurious**: 2.1 (max)
- **Input VSWR**: 3.1 (typ)
- **RF Input Connector**: N-Female (Front Panel)
- **RF Output Connector**: N-Female (Front Panel)
- **Input Power**: +3dBm (max)
- **Operating Temperature**: 0°C – +40°C, -20°C – +70°C
- **Room Temperature Storage**: Forced Air (Self Contained Fans)
- **Power Voltage**: 85~250VAC, 50 – 60Hz, Single Phase
- **Rated Current**: 7A at 100VAC
- **Weight**: 14kg
- **Dimensions**: (W)480 x (D)450 x (H)88mm
- **Safety Interlock**: Connector Type BNC-Female

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**Model**: ZSA5050-100K400M

**Typical Power Output**

- **Output Power at 1dB Gain Compression**
- **Output Power at 3dB Gain Compression**

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