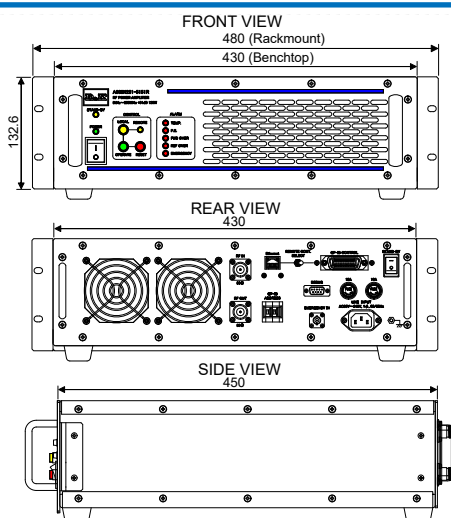


A009K251-5151R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @ +25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz-255MHz
- Output Power (CW) : 120W (min.) @P3dB

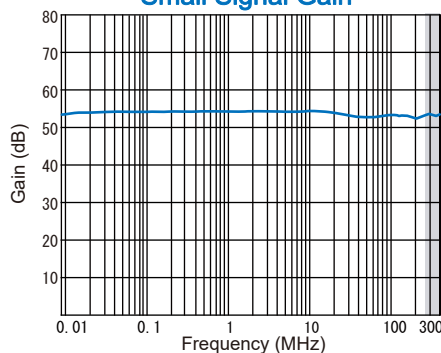
APPLICATIONS

- Bunch by Bunch Feedback System for Synchrotron (Storage Ring)
- EMC (Electromagnetic Compatibility)
- Plasma
- Etc...

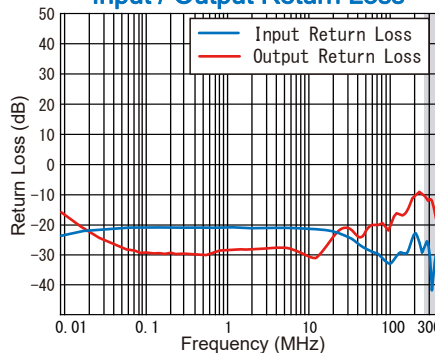
SPECIFICATIONS @+25°C

Frequency Range	: 9kHz - 255MHz
Small Signal Gain	: +51 dB (typ.), +50 dB (min.)
Gain Flatness	: ±2 dB (max.)
Output Power (CW)	: 120W @Rated Output Power 120W (min.) @3dB Compression 100W (min.) @1dB Compression
Operation Mode	: Class A
Harmonics	: -20 dBc (max.) @Po=100W
Spurious	: -70 dBc (max.) @Po=100W
Impedance	: 50Ω
Input Return Loss	: 9.5dB (min.) / VSWR 2.0:1 (max.)
Output Return Loss	: 6dB (min.) / VSWR 3.0:1 (max.)
Maximum RF Input Power	: +3 dBm
AC Supply Input	: Single-phase 90 - 240 VAC, 50/60Hz, 0.8kVA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR RF - OUT N - FEMALE @REAR
Size	: (W)430mm×(D)450mm×(H)132.6mm (EIA: 3U) *Excluding Projection
Weight	: 17.5 kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Protection Forward Over Protection (@126W) Reflected Over Protection (@60W)
Remote Interface	: Ethernet(telnet) & GPIB (IEEE-488)
Other Functions	: Interlock (Emergency Stop)

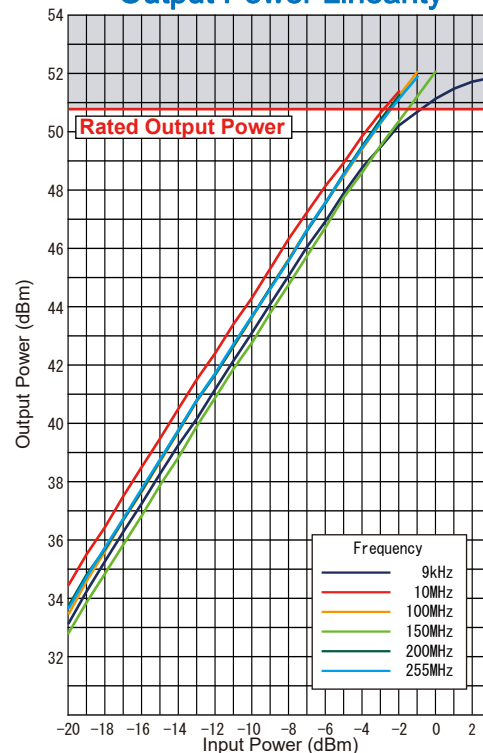
Small Signal Gain



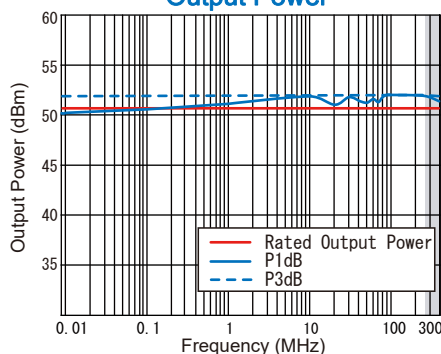
Input / Output Return Loss



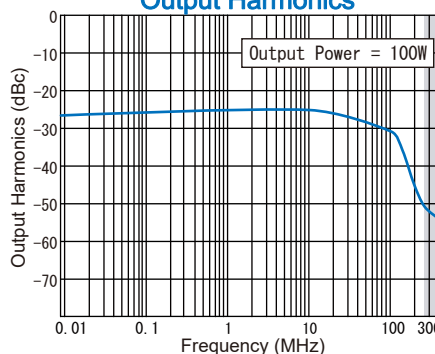
Output Power Linearity



Output Power



Output Harmonics



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