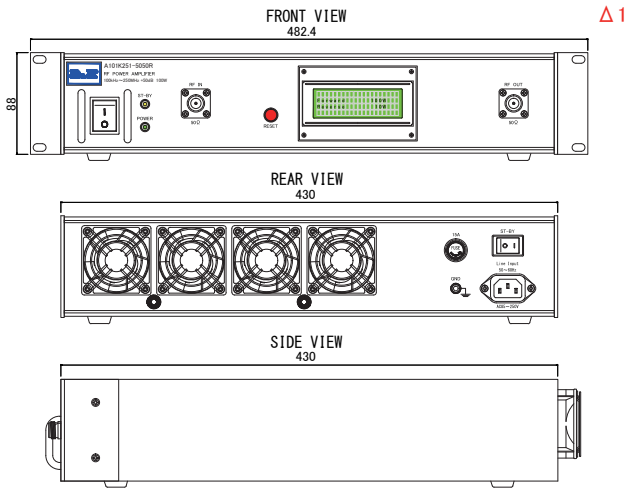


R&K-A101K251-5050R



OUTLINE DRAWING

※IN MILLIMETERS



- Small Size / Light Weight
- All Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 250MHz
- Output Power (CW) : 100W @1dB Comp.

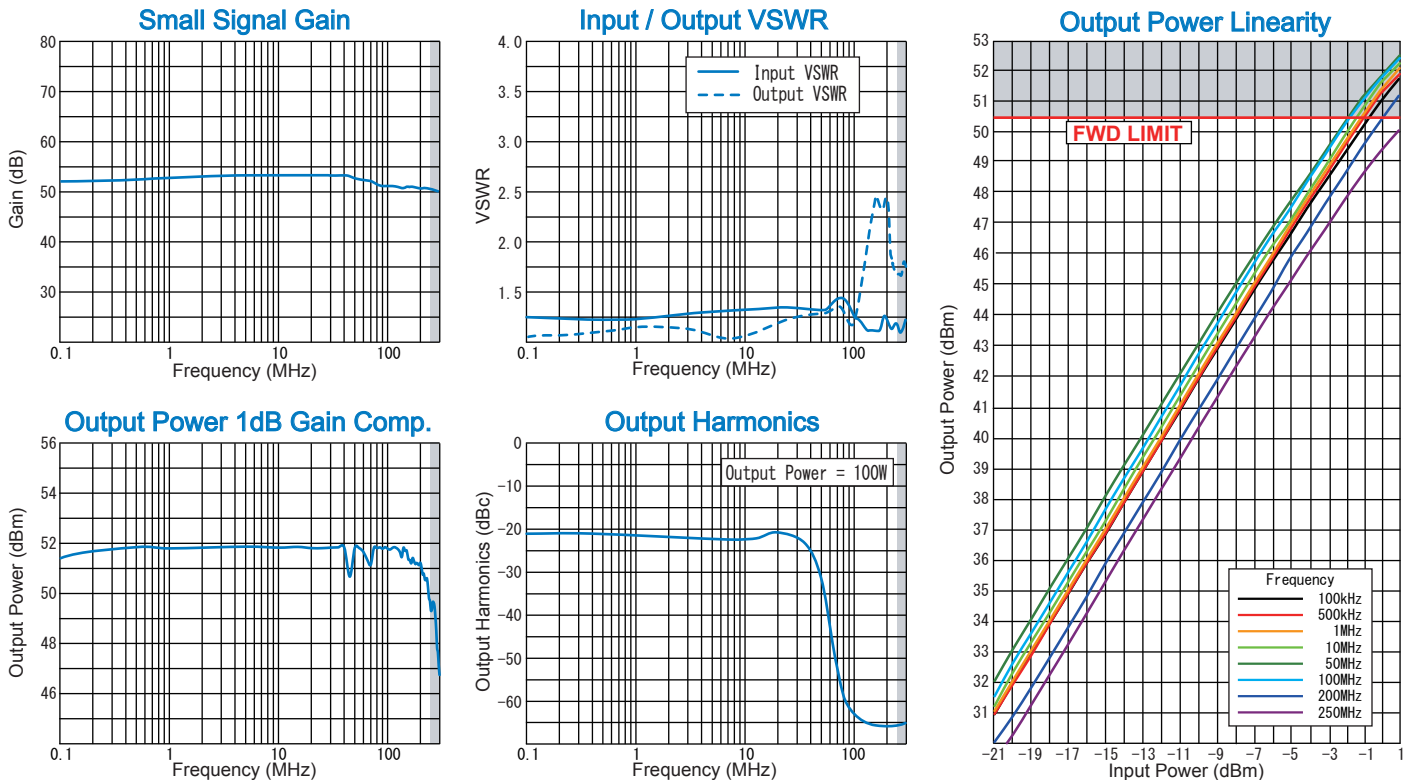
APPLICATION

- Bunch by Bunch Feedback System for Synchrotron (Storage Ring)
- EMC(Electromagnetic Compatibility), etc.

SPECIFICATIONS @ +25°C

Frequency Range	: 100kHz ~ 250MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±1.5dB (max.)
Output Power (CW)	: 100W (typ.) @1dB Comp. 80W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -70.0dBc (max.) @Po=100W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC85V ~ AC250V / 1φ, 50 / 60Hz, 600VA
Operating Temperature	: -10°C to +40°C
Storage Temperature	: -15°C to +55°C
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE
Size	: (W)482.4mm × (D)430mm × (H)88mm(EIA:2U)
Weight	: 17kg (max.)
Cooling	: Forced Air Cooling
Protection	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

TYPICAL PERFORMANCE (Temp @+25°C)



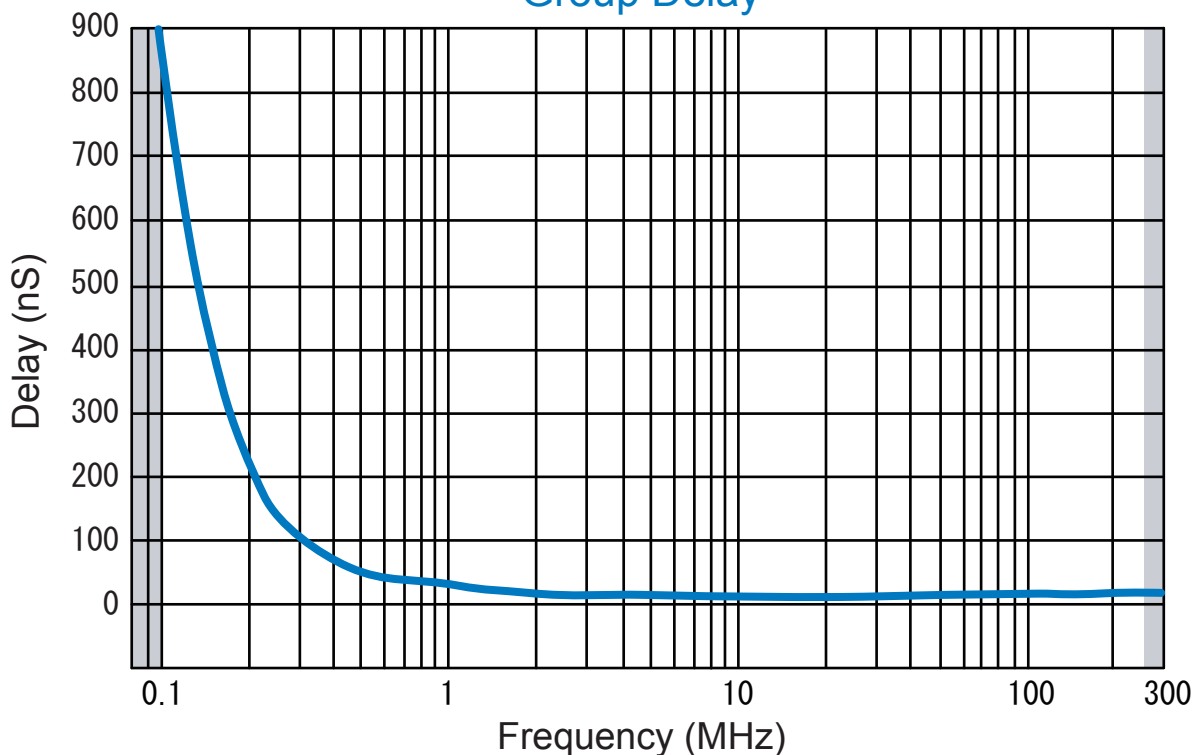
* CHANGE Δ1 7/May/2018

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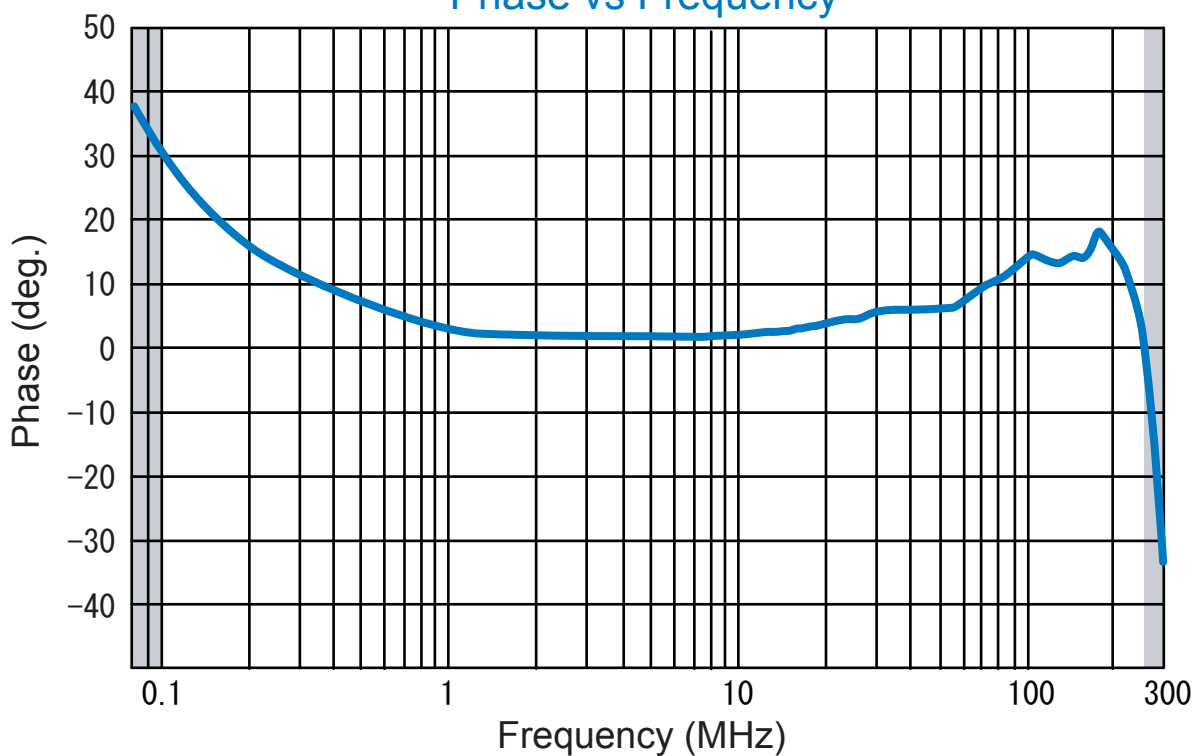
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Group Delay



Phase vs Frequency



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