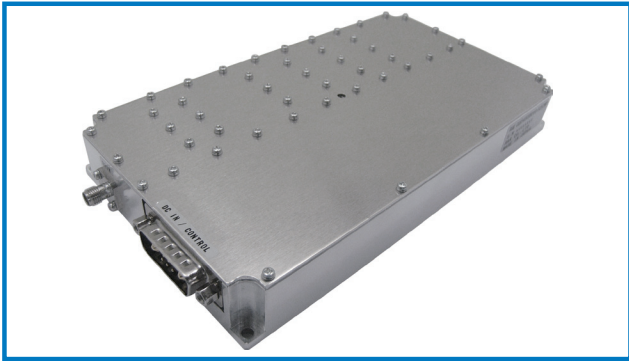


PULSED RF POWER AMPLIFIER

Preliminary
Product

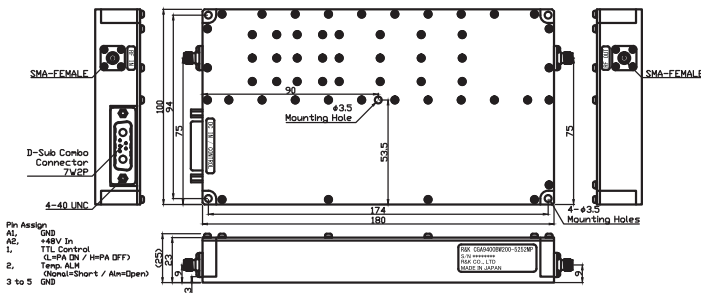


R&K-CGA9400BW200-5252MP



OUTLINE DRAWING

※ IN MILLIMETERS

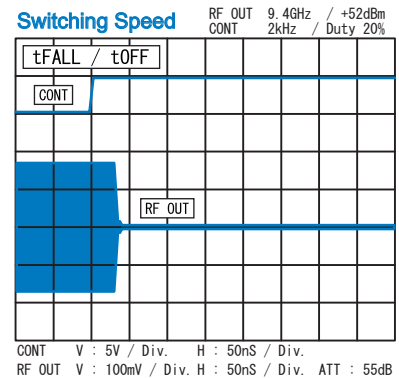
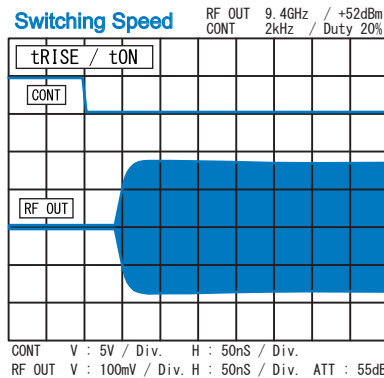
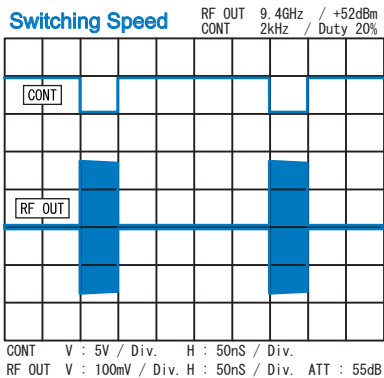
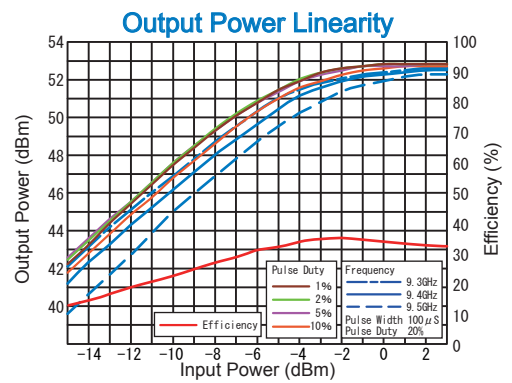
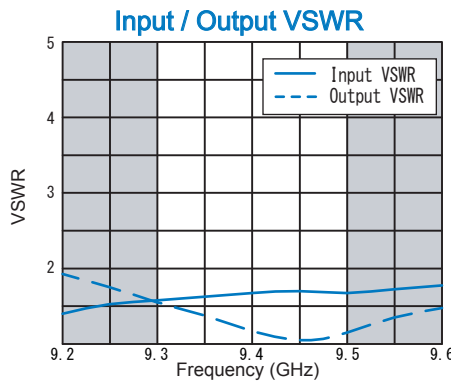
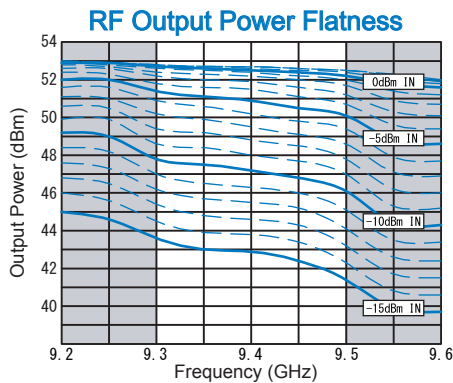


- X-Band All Solid State Amplifier
- Broadband Frequency: 9.4GHz ± 100MHz
- Output Power : 160W (min.) @Psat (Pulse)
- With Output Circulator

SPECIFICATIONS @ +25°C

Frequency Range	: 9.4GHz ± 100MHz
In-Band Signal Gain	: +52dB (min.) @Po=+52dBm(Pulse)
In-Band Gain Flatness	: ±0.5dB (max.) @Po=+52dBm(Pulse)
Output Power	: 160W (min.) @Psat (Pulse)
Operation Mode	: Class AB
RF Pulse Width	: 100μS (max.)
RF Pulse Duty	: 20% (max.)
RF Pulse Rise and Fall time:	50nS (max.)
Impedance	: 50Ω
Input / Output VSWR	: 2.0 : 1 (max.)
Harmonics	: -60dBc (max.) @Po=+52dBm(Pulse)
Spurious	: -60dBc (max.) @Po=+52dBm(Pulse)
DC Supply Input	: +48V ± 1V
Efficiency	: 25% (typ.)
Maximum RF Input Power	: +10dBm
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -20°C to +80°C
Connectors(Standard)	: SMA - FEMALE
Protection Circuits	: Output Circulator Over Temperature Protection Reverse Connection Protection Diode

TYPICAL PERFORMANCE (Temp @+25°C)



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