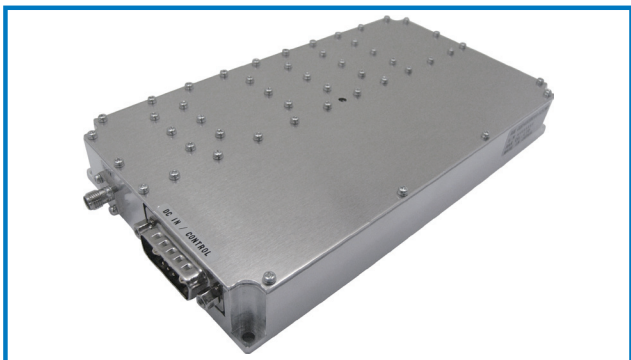


PULSED RF POWER AMPLIFIER

Preliminary Product

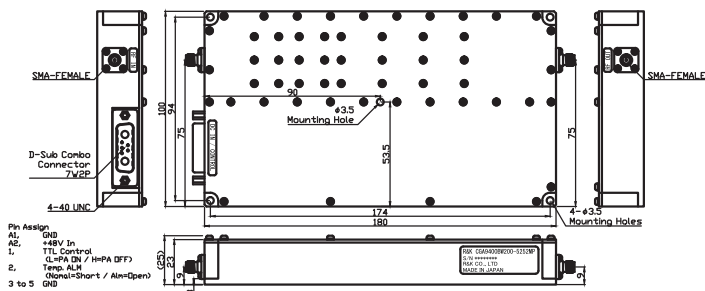


R&K-CGA9400BW200-5252MP



OUTLINE DRAWING

※ IN MILLIMETERS

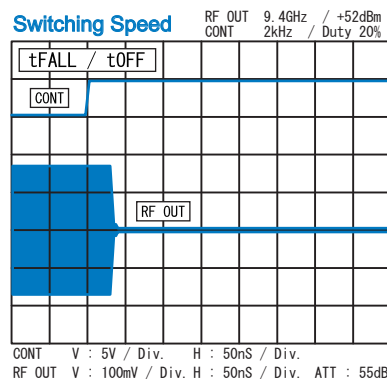
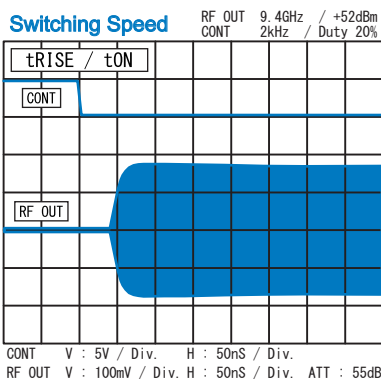
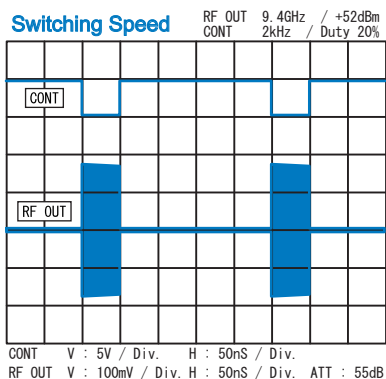
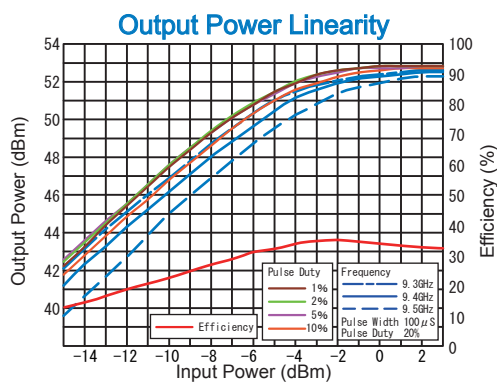
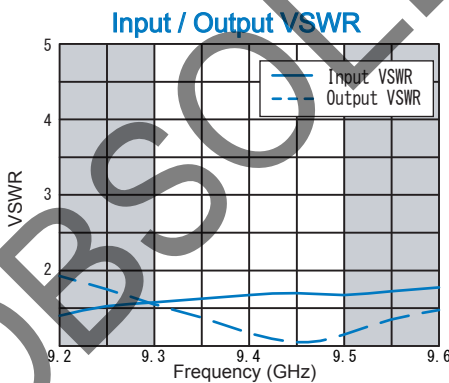
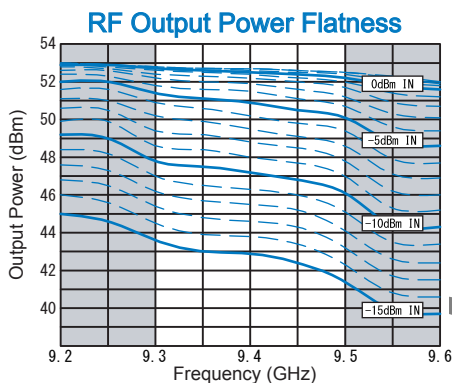


- X-Band All Solid State Amplifier
- Broadband Frequency: 9.4GHz ± 100MHz
- Output Power : 160W (min.) @Psat (Pulse)
- With Output Circulator

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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