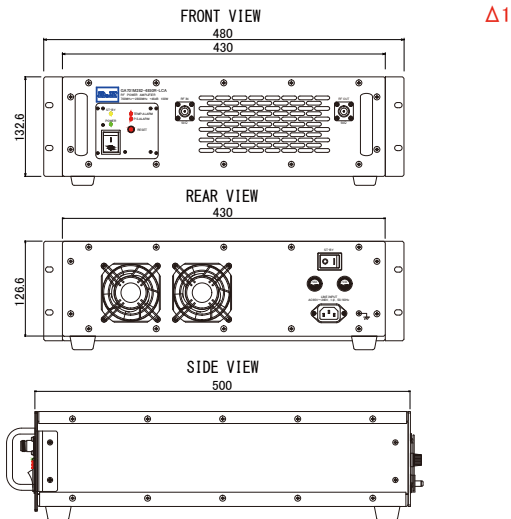


## GA701M282-4850R-LCA



### OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency: 700MHz~2800MHz
- Output Power (CW) : 100W (typ.) @3dB Comp.
- Low Cost

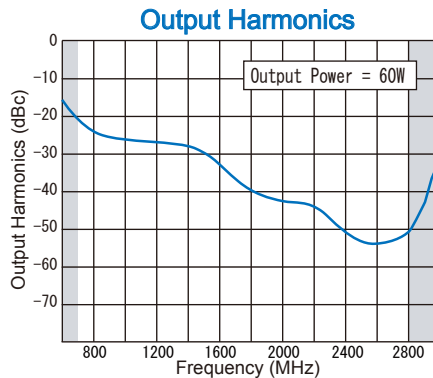
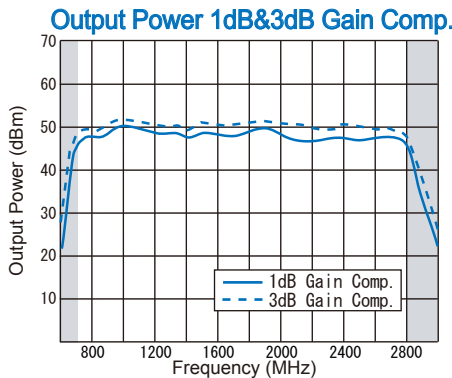
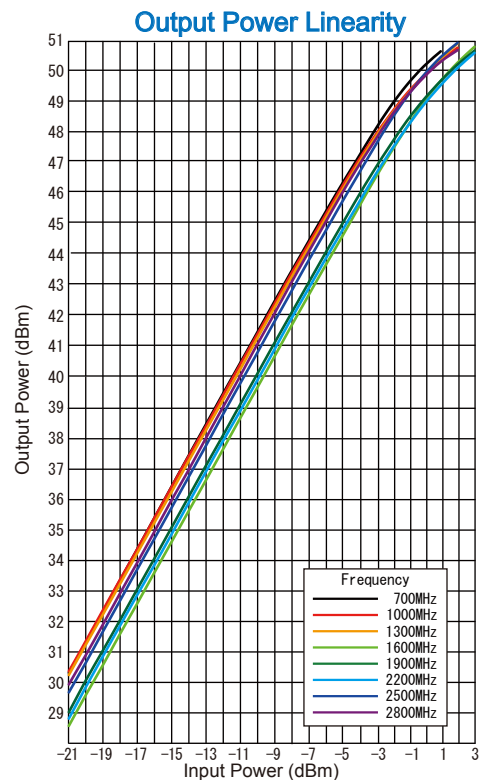
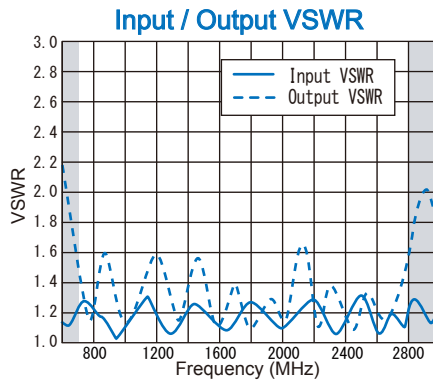
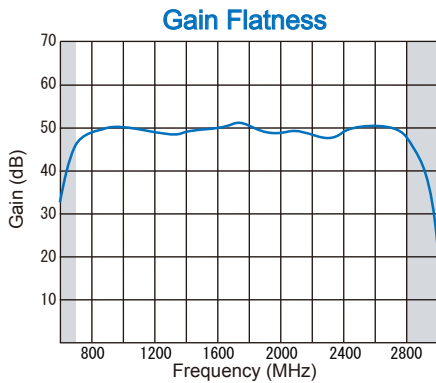
### APPLICATION

- EMC(Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

### SPECIFICATIONS @ +25°C

Frequency Range	: 700MHz ~ 2800MHz
Small Signal Gain	: +48.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 100W (typ.) @3dB Comp. 80W (typ.) @1dB Comp. 60W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +55.0dBm (typ.)
Harmonics	: -18.0dBc (max.) @Po=60W
Spurious	: -65.0dBc (max.) @Po=60W
Noise Figure	: 10.0dB (typ.)
Impedance	: 50Ω
Input Return Loss	: 14.0dB (min.) / VSWR : 1.5 (max.)
Output Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
Maximum RF Input Power	: +5dBm
AC Supply Input	: AC90V~AC240V / 1φ, 50/60Hz, Δ1 700VA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE
Size	: (W)430mm×(D)500mm×(H)132.6mm(EIA:3U) *Excluding Projection
Weight	: 20.0kg (max.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

### TYPICAL PERFORMANCE (Temp @+25°C)



\* CHANGE Δ1 27/Aug./2021

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, The export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

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