GaN 150W AMPLIFIER

R&K-GA0827-4552-M

OUTLINE DRAWING

SPECIALIFICATIONS

- Broadband Frequency: 800~2700MHz
- Output Power: +51.8dBm
- Gain Flatness: ±2.0dB (max.)
- Ultra Wide Band Power Amplifier

Frequency Range: 800 - 2700MHz
Small Signal Gain: +45dB (typ.)
Gain Flatness: ±2.0dB (max.)
Output Power @3dB Comp.: +50dBm (typ.) @+25°C
@sat.: +51.8dBm (typ.) @+25°C
Impedance: 50Ω
Input RETURN LOSS: ≤−10dB (typ.)
Output RETURN LOSS: ≤−10dB (typ.)
DC Supply Input: +36V
28A(max.)
Maximum RF Input Power: +10dBm
Operating Temperature: −10°C to +45°C
Storage Temperature: −15°C to +65°C
Connectors: RF-IN SMA-FEMALE
RF-OUT N-FEMALE
Cooling: Integral Forced Air Cooling

HOW TO ORDER

Model Name
R&K-GA0827-4552-M
No Option

TYPICAL PERFORMANCE (Temp @ +25°C)

Small Signal Gain & Gain Flatness
Input / Output RETURN LOSS
Output Power Linearity
Output Power 3dB Gain Comp. & sat
OUTPUT HARMONICS

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R&K reserves the right to make changes in the specifications of or discontinuous products at any time
without notice. R&K products shall not be used for or in conjunction with equipment that requires
an extremely high level of reliability and safety such as aerospace uses or medical life support equipment.
Further, R&K cannot accept products to any country for use in military or defense applications.

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