R&K-AAA1050-0S

**OUTLINE DRAWING**

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Small Signal Gain & Gain Flatness**
  - Input & Output Return Loss

- **Noise Figure**
  - Guaranteed in the range of 10MHz~4000MHz.

- **Output Power 1dB & Power Saturation**
  - Output 3rd Order Intercept Point

- **Pulse Characteristics**
  - Pulse Width 100μs / Duty 10% Pout=+20dBm / Freq. =2GHz

- **Gain**
  - Small Signal Gain & Gain Flatness
  - Input & Output Return Loss

- **Noise Figure**
  - Guaranteed in the range of 10MHz~4000MHz.

- **Input vs Output Linearity**
  - DC+12V Current (mA)
  - Output Power (dBm)

**SPECIFICATIONS**

- **Frequency Range**: 9kHz~4000MHz
- **Small Signal Gain**: +36dB (typ.) @2GHz
- **Gain Flatness**: ±2.5dB (max.)
- **Low Cost**
- **RoHS Compliance**

**Frequency Range**
- 9kHz ~ 4000MHz
- Small Signal Gain: +36dB (typ.) @2GHz
- Gain Flatness: ±2.5dB (max.)
- Output Power@1dB Comp.: +20dBm (min.) @2GHz
- Output I.C.P.: +30dBm (typ.) @2GHz
- Noise Figure: 9.0dB (max.)

**Gain Flatness**
- Gain Flatness: ±2.5dB (max.)

**Input Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Output Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Input Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Output Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Impedance**
- 50Ω

**Input Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Output Return Loss**
- Gain Flatness: ±2.5dB (max.)

**Gain**
- Small Signal Gain & Gain Flatness
  - Input & Output Return Loss

**Power (dBm)**
- Output Power 1dB & Power Saturation
  - Output 3rd Order Intercept Point

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