**RF POWER AMPLIFIER**

**R&K-ALM1922-2842FR-R**

- **Broadband Frequency**: 1900MHz ~ 2200MHz
- **Output Power**: +41.8dBm
- **Gain Flatness**: ±1.0dB (max.)
- **Low Cost

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 1900MHz ~ 2200MHz
- **Small Signal Gain**: +30dB (typ.)
- **Gain Flatness**: ±28dB (min.)
- **Output Power @ 1dB Comp.**: +41.8dBm (min.)
- **Output I.C.P.**: +53.8dBm (typ.) @ 2050MHz
- **Noise Figure**: 10.0dB (max.)
- **Impedance**: 50Ω
- **Input VSWR**: 1.5 : 1 (typ.)
- **Output VSWR**: 2.0 : 1 (typ.)
- **Harmonics**: -18dBc (max.)
- **Spurious**: -60dBc (max.)
- **AC Supply Input**: AC100V ~ 240V
  50/60  2A (max.)
- **Maximum RF Input Power**: +17dBm
- **Operating Temperature**: -10°C to +45°C
- **Storage Temperature**: -15°C to +65°C
- **Connectors**: SMA-FEMALE
- **Weight**: 9kg (typ.)

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Gain (dB)**
- **Output Power (dBm)**
- **VSWR
Input / Output VSWR**

**SCHEMATIC**

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