R&K-IQ1000IFH-0S

- LO&RF Center Frequency: 1000MHz
- Good Amplitude and Phase Balance
- Excellent Harmonic suppression
- Small Size
- RoHS Compliance

**SPECIFICATIONS**

- **LO&RF Frequency Range**: 1000MHz (Bandwidth 10%)
- **I&Q Frequency Range**: DC - 50MHz
- **LO Input Level**: +10dBm ±0.5dB
- **Conversion Loss**: 12dB (max.)
- **Amplitude Balance**: 0.5dB (max.)
- **Phase Balance**: 5° (max.)
- **LO-RF Isolation**: 30dB (min.)
- **LO-IF Isolation**: 50dB (min.)
- **Harmonic Suppression**: −45dBc (min.)
  (@LO1000MHz+10dBm,RF1050MHz-5dBm)
- **VSWR (All Ports)**: 2.0:1 (max.)
- **Input 1dB Compression Point**: +4dBm (typ.)
- **Impedance**: 50Ω
- **Maximum RF Input Power**: 100mW
- **Operating Temperature**: −40°C to +85°C
- **Storage Temperature**: −40°C to +100°C
- **Connectors (Standard)**: SMA-FEMALE
- **Connectors (Option)**: BNC-FEMALE, N-FEMALE
- **Weight (SMA Connector)**: 90g (typ.)

**OUTLINE DRAWING**

**TYPICAL PERFORMANCE (Temp @+25°C)**

**SCHEMATIC**

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, R&K cannot export products to any country for use in military or defense applications.