**PHASE SENSITIVE DETECTOR**

**R&K-SD950IFH-0S**

- **Input Center Frequency**: 950MHz
- **IF Bandwidth / DC ~ 50MHz**
- **Good Amplitude and Phase Balance**
- **Wide Dynamic Range / Linearity**
- **RoHS Compliance**

**SPECIFICATIONS**

- **Input Center Frequency Range**: 950MHz (Bandwidth 10%)
- **Output Frequency Range**: DC - 50MHz
- **RF Input Power Level**: +5dBm (Linear)
- **LO Input Level**: 0dBm ± 0.5dB
- **Sine/Cosine Detector Output Level**: ±1V (typ.) @ 50Ω
- **Amplitude Balance**: ±2.0dB (max.)
- **Phase Balance**: ±0° (max.)
- **Input VSWR**: 1.3:1 (max.)
- **Impedance**: 50Ω
- **DC Supply Input**: +12V 380mA (max.)
- **Operating Temperature**: -20°C to +60°C
- **Storage Temperature**: -20°C to +80°C
- **Connectors (Standard)**: SMA-MALE
- **Connectors (Option)**: BNC-MALE
- **Weight (SMA Connector)**: 300g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-SD950IFH-0S
- **S**: SMA-MALE
- **B**: BNC-MALE

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Sine & Cosine Output**

**Amplitude Balance**

**Phase Balance**

**RF Input vs Output**

**SCHEMATIC**

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