**R&K-PD650-0S**

**OUTLINE DRAWING**

- **Model Name**: R&K-PD650-0S
- **No Option**

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 1900MHz ~ 2200MHz
- **Insertion Loss**: 0.6dB (max.)
  (Except Theoretical Loss 3.0dB)
- **Amplitude Balance**: 0.2dB (max.)
- **Isolation**: 20.0dB (min.)
- **Phase Balance**: 2° (max.)
- **Phase Difference**: 0°
- **Between Output Ports**
  - VSWR (SUM): 1.3:1 (max.)
  - VSWR (Other): 1.3:1 (max.)
- **Impedance**: 50Ω
- **Maximum RF Input Power**: 1W (1.2:1 Load VSWR)
- **Operating Temperature**: −40°C to +85°C
- **Storage Temperature**: −40°C to +100°C
- **Connectors**: SMA-FEMALE
- **Weight**: 45g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-PD650-0S
- **No Option**

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Insertion Loss (3dB Theoretical Loss Included)**

- **Frequency (MHz)**
  - **Insertion Loss (dB)**: 3, 5, 7

**Amplitude Balance**

- **Frequency (MHz)**
  - **Amplitude Balance (dB)**: 0

**VSWR (All Port)**

- **Frequency (MHz)**
  - **VSWR**: 1.2, 1.4, 1.6, 1.8

**Phase Balance**

- **Frequency (MHz)**
  - **Phase Balance (deg)**: 0

**Isolation**

- **Frequency (MHz)**
  - **Isolation (dB)**: 30

**SCHEMATIC**

- Input and output ports with quarter-wavelength lines and SMA connectors.

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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, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan’s “Foreign Exchange and Foreign Trade Law”.

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