**R&K-SW040-0S**

- **Frequency Range**: 1 ~ 1500MHz
- **High Switching Speed**
- **Internal C-MOS Driver**
- **Reflective**
- **RoHS Compliance**

**SPECIFICATIONS**

- **Frequency Range**: 1 - 1500MHz
- **Insertion Loss**: 3.0dB (max.)
- **Isolation**: 35dB (min.)
- **Impedance**: 50Ω
- **VSWR (RF IN)**:
  - (Port1/Port2): 1.6:1 (typ.)
- **Input Power 1dB Comp. Point**:
  - Port1: +33dBm (typ.) @1.5GHz
  - Port2: +41dBm (typ.) @1.5GHz
- **Switching Speed**: 6μs (max.) Rise / Fall
- **Switching Control**

<table>
<thead>
<tr>
<th>Control Input</th>
<th>RF Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>Port1</td>
</tr>
<tr>
<td>H</td>
<td>Port2</td>
</tr>
</tbody>
</table>

**H=C-MOS H or Open / L=C-MOS L or GND**

- **Maximum RF Input Power**: +30dBm
- **DC Supply Input**: +5V 20mA (max.)
- **Operating Temperature**: -25°C to +85°C
- **Storage Temperature**: -25°C to +85°C
- **Connectors (Standard)**: SMA-Female
- **Connectors (Option)**: BNC-Female
- **Weight (SMA Connector)**: 60g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-SW040-0S
- **Ordering Code**: S = SMA - FEMALE
- **B = BNC - FEMALE**

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Insertion Loss**
  - Frequency (MHz)
  - Insertion Loss (dB)

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

- **VSWR (On State)**
  - Frequency (MHz)
  - VSWR

- **Switching Speed**
  - Frequency (MHz)
  - Switching Speed (μs)

**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.

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