**R&K-SW1040-0S**

**OUTLINE DRAWING**

**SPECIFICATIONS**

- **Frequency Range**: 9kHz ~ 6GHz
- **Insertion Loss**: 2.5dB (max.)
- **Isolation (9kHz ~ 3GHz)**: 80dB (min.)
  (3GHz ~ 6GHz): 70dB (min.)
- **Impedance**: 50Ω
- **Return Loss (All Ports)**: 15dB (typ.)
- **Input Power 1dB Comp.** : +35dBm (min.) @2GHz
- **Input IP3** : +55dBm (typ.) @2GHz
- **Maximum RF Input Power** : +35dBm Through @2GHz
  +30dBm Terminated @2GHz
- **Switching Speed (Turn On)** : 250ns (typ.) / 50% Cont. to 90% RF
  (Turn Off) : 200ns (typ.) / 50% Cont. to 10% RF
- **Control Logic**

<table>
<thead>
<tr>
<th>P1 Cont.</th>
<th>P2 Cont.</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>H</td>
<td>RF OFF</td>
</tr>
<tr>
<td>L</td>
<td>H</td>
<td>Port1</td>
</tr>
<tr>
<td>H</td>
<td>L</td>
<td>Port2</td>
</tr>
<tr>
<td>L</td>
<td>L</td>
<td>RF OFF ※RFC in not Terminated</td>
</tr>
</tbody>
</table>

※H = +5V C-MOS H or Open / L = +5V C-MOS L or Short to GND.

- **DC Supply Input**: +5V ±0.5V / 10mA (max.)
- **Operating Temperature**: -25℃ to +85℃
- **Storage Temperature**: -25℃ to +85℃
- **Connectors**: SMA-FEMALE
- **Weight**: 95g (typ.)

**TYPICAL PERFORMANCE**

- **Insertion Loss & Isolation**
- **Return Loss**
- **Phase Difference**
- **Group Delay**

**HOW TO ORDER**

- **Model Name**: R&K-SW1040-0S
- **No Option**

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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 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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