### SPECIFICATIONS

- **Single Pole 4 Throw (SP4T) Switch**
- **9kHz ~ 6000MHz Operation**
- **Hi-Isolation**
- **Absorptive**
- **Pin max. +35dBm**
- **Low Cost**
- **RoHS Compliance**

#### Frequency Range
- Pin = +30dBm / Freq. = 2GHz

#### Insertion Loss (dB)
- Port1 & 4
- Port2 & 3

#### Isolation (dB)
- Port1 & 4
- Port2 & 3

#### Return Loss (dB)
- Port1 & 4
- Port2 & 3

#### Impedance
- 50Ω

#### Input Power 1dB Comp.
- +35dBm (typ.) @2GHz

#### Input IP3
- +55dBm (typ.) @2GHz

#### Maximum RF Input Power
- +35dBm Through RF (Turn Off)
- +28dBm Terminated RF (Turn Off)

#### Switching Speed (Turn On)
- 280ns (typ.) / 50% Cont. to 90% RF

#### Control Logic
- \( H = +5V \) 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°C to +85°C

#### Storage Temperature
- -25°C to +85°C

#### Connectors
- SMA-FEMALE

#### Weight
- 160g (typ.)

#### Model Name
- R&K-SW1050-0S

#### HOW TO ORDER
- 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 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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**R&K SW1050-0S**

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**RF SWITCH SP4T**

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**OUTLINE DRAWING  ※IN MILLIMETERS**

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**TYPICAL PERFORMANCE**

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**SCHEMATIC**

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* CHANGE \( \Delta 1 \) 31/Jul./2019