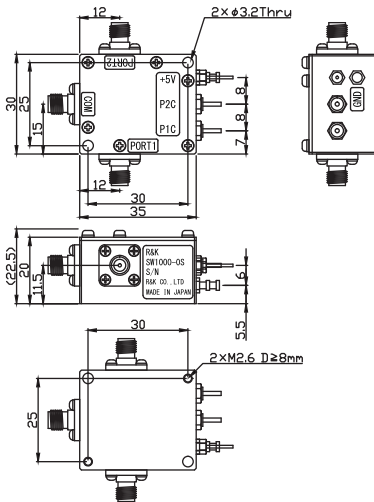


## R&K-SW1000-0S



### OUTLINE DRAWING

※IN MILLIMETERS



- Single Pole Double Throw (SPDT) Switch
- 9kHz ~ 6000MHz Operation
- Absorptive
- Low Cost
- Pin max. +35dBm
- RoHS Compliance

### SPECIFICATIONS

Frequency Range : 9kHz ~ 6000MHz  
 Insertion Loss : 1.5dB (max.)  
 Isolation (9kHz ~ 3GHz) : 40dB (min.)  
 (3GHz ~ 6GHz) : 33dB (min.)  
 Impedance : 50  $\Omega$   
 Return Loss (All Ports) : 15dB (typ.)  
 Input Power 1dB Comp. : +35dBm (min.) @2GHz  
 Input IP3 : +55dBm (typ.) @2GHz  
 Maximum RF Input Power : +35dBm Through  
 +30dBm Terminated

Switching Speed (Turn On) : 250ns (typ.) / 50% Cont. to 90% RF  
 (Turn Off) : 150ns (typ.) / 50% Cont. to 10% RF

### Control Logic

P1 Cont.	P2 Cont.	Status
H	H	RF OFF
L	H	Port1
H	L	Port2
L	L	RF OFF ※RFC in not Terminated.

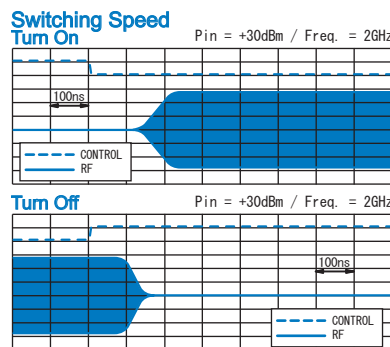
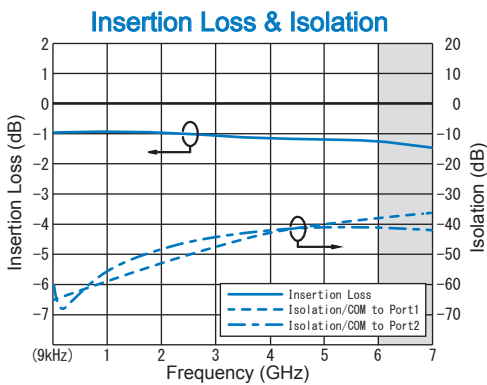
※H = +5V C-MOS H or Open / L = +5V C-MOS L or Short to GND.

DC Supply Input : +5V  $\pm$ 0.5V / 10mA (max.)  
 Operating Temperature : -20°C to +60°C  
 Storage Temperature : -20°C to +80°C  
 Connectors : SMA-FEMALE  
 Weight : 65g (typ.)

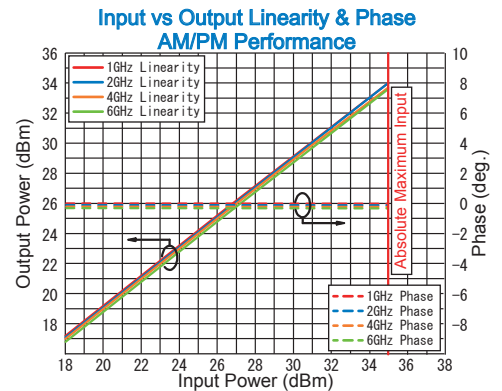
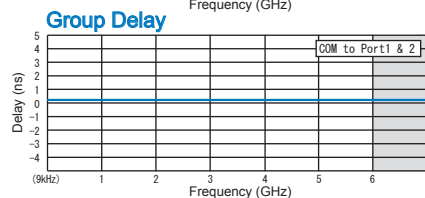
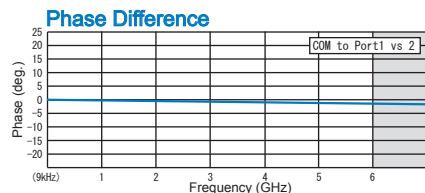
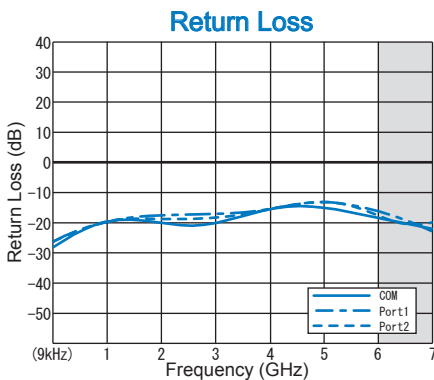
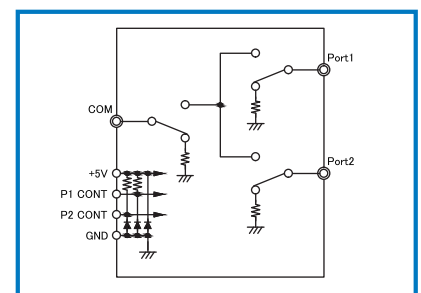
### HOW TO ORDER

Model Name : R&K-SW1000-0S  
 No Option

### TYPICAL PERFORMANCE



### 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, 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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