

RF SWITCH SPDT

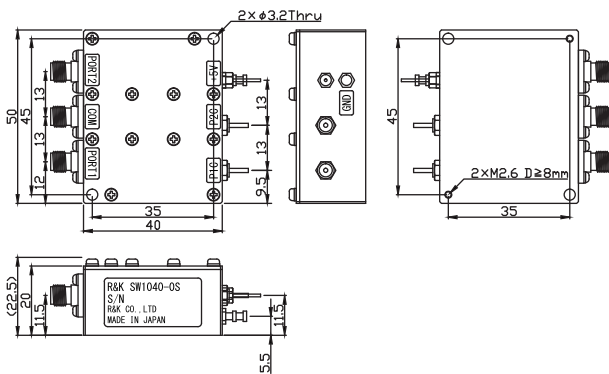


R&K-SW1040-0S



OUTLINE DRAWING

※IN MILLIMETERS



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

SPECIFICATIONS

Frequency Range	: 9kHz ~ 6000MHz
Insertion Loss	: 2.5dB (max.)
Isolation (9kHz ~ 3GHz)	: 80dB (min.)
(3GHz ~ 6GHz)	: 70dB (min.)
Impedance	: 50 Ω
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

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

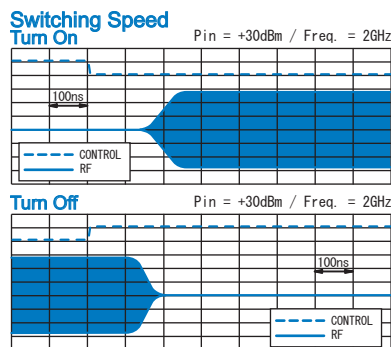
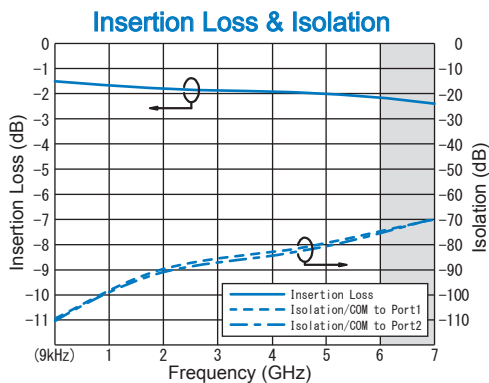
※H = +5V C-MOS H or Open / L = +5V C-MOS L or Short to GND.

DC Supply Input	: +5V \pm 0.5V / 10mA (max.)
Operating Temperature	: -25°C to +85°C Δ 1
Storage Temperature	: -25°C to +85°C Δ 1
Connectors	: SMA-FEMALE
Weight	: 95g (typ.)

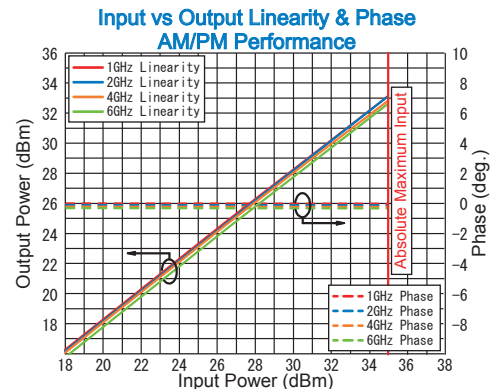
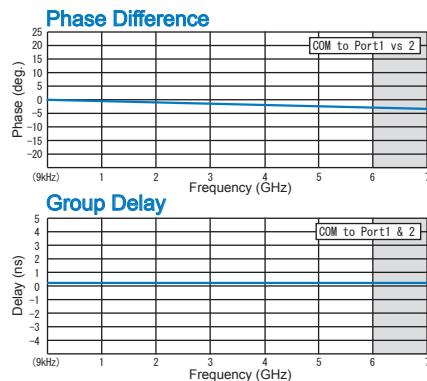
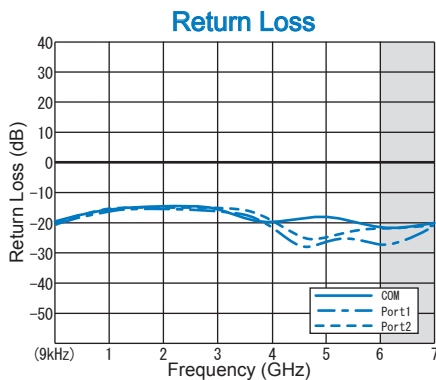
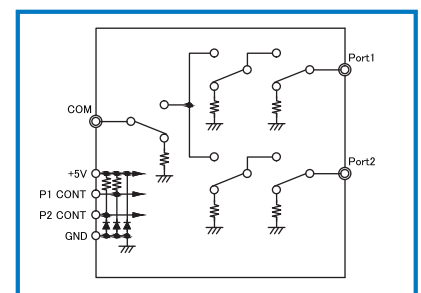
HOW TO ORDER

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

TYPICAL PERFORMANCE



SCHEMATIC



* CHANGE Δ 1 31/Jul./2019

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".

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com