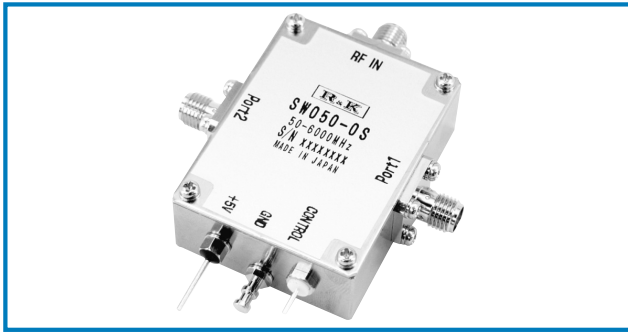
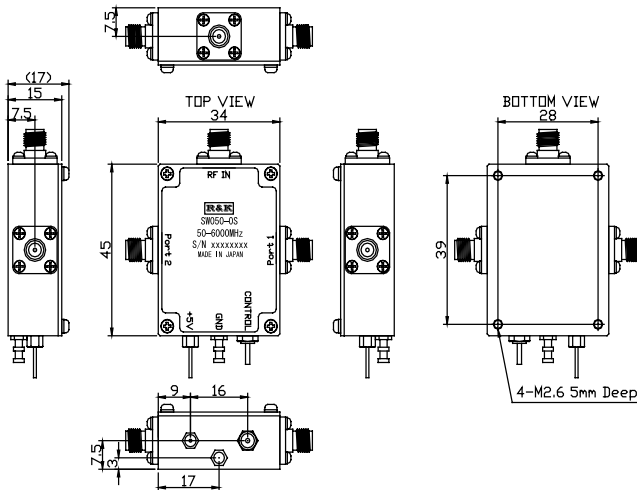


R&K-SW050-0S



OUTLINE DRAWING

※IN MILLIMETERS



- Frequency Range : 50 ~ 6000MHz
- High Switching Speed
- Internal C-MOS Driver
- Reflective
- RoHS Compliance

SPECIFICATIONS

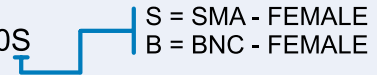
Frequency Range	: 50 - 6000MHz
Insertion Loss (50~3000MHz)	: 1.5dB (max.)
Insertion Loss (3~6GHz)	: 2.5dB (max.)
Isolation (RF IN~Port1/2)	: 18dB (min.)
Impedance	: 50 Ω
VSWR (RF IN)	: 1.6:1 (typ.)
(Port1/Port2)	: 1.7:1 (typ.)
Input Power 1dB Comp.Point	: +33dBm (typ.) @2GHz
Input I.C.P.	: +39dBm (typ.) @2GHz
Switching Speed	: 100ns (max.) tRise / tFall
Switching Control	

Control Input	RF Output
H	Port1
L	Port2

- H=C-MOS H or Open / L=C-MOS L or GND
- Maximum RF Input Power : +29dBm
- DC Supply Input : +5V 3mA (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

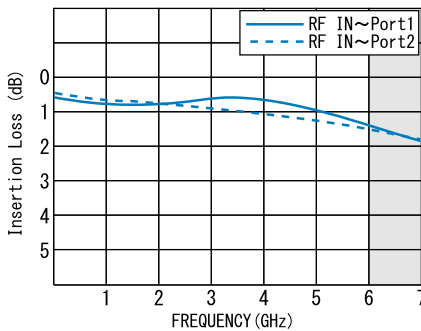
Model Name R&K-SW050-0S



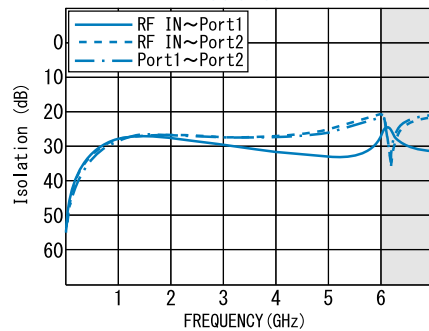
※BNC Operational to 1GHz

TYPICAL PERFORMANCE (Temp @+25°C)

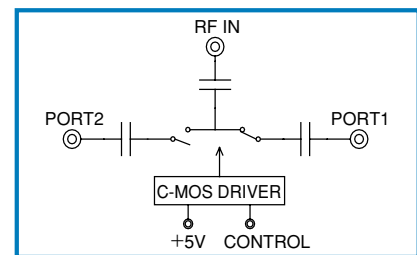
Insertion Loss



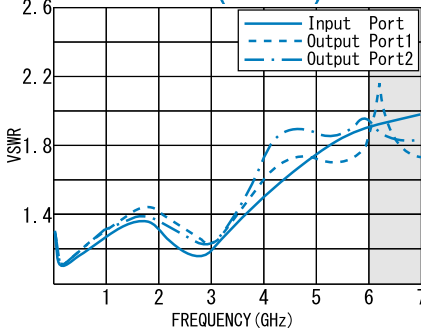
Isolation



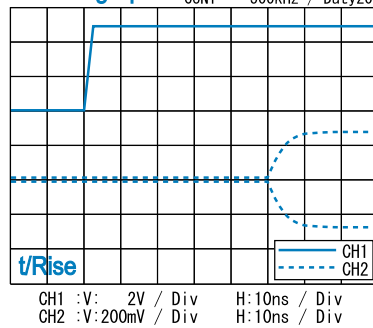
SCHEMATIC



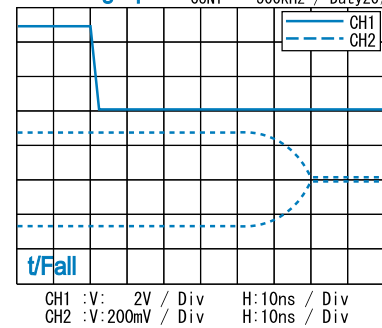
VSWR (On State)



Switching Speed



Switching Speed



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.

R&K Company Limited

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