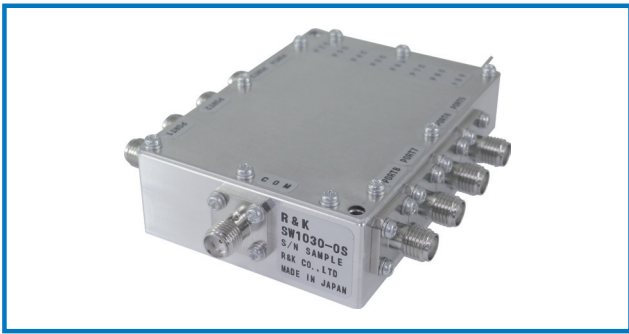
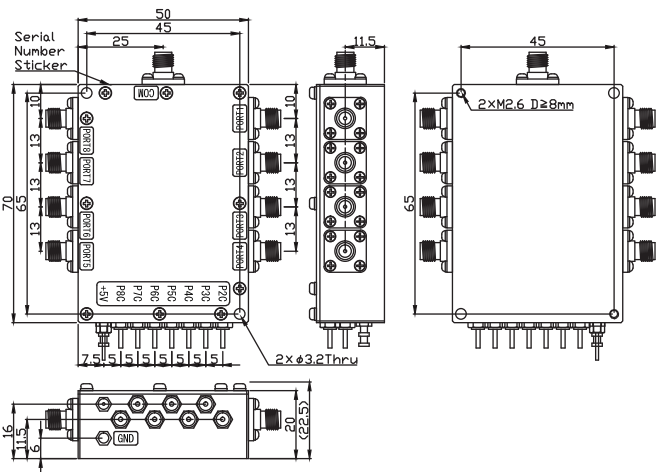


R&K-SW1030-0S



OUTLINE DRAWING

※IN MILLIMETERS



- Single Pole 8 Throw (SP8T) Switch
- 9kHz ~ 6000MHz Operation
- Absorptive
- Low Cost
- Pin max. +31dBm
- RoHS Compliance

SPECIFICATIONS

Frequency Range : 9kHz ~ 6000MHz
 Insertion Loss : 2.5dB (max.)
 Isolation (9kHz ~ 3GHz) : 28dB (min.)
 (3GHz ~ 6GHz) : 23dB (min.)
 Impedance : 50Ω
 Return Loss (All Ports) : 15dB (typ.)
 Input Power 1dB Comp. : +31dBm (min.) @2GHz
 Input IP3 : +55dBm (typ.) @2GHz
 Maximum RF Input Power : +31dBm Through @2GHz
 +18dBm Terminated @2GHz
 Switching Speed (Turn On) : 250ns (typ.) / 50% Cont. to 90% RF
 (Turn Off) : 150ns (typ.) / 50% Cont. to 10% RF

Control Logic

P2 Cont.	P3 Cont.	P4 Cont.	P5 Cont.	P6 Cont.	P7 Cont.	P8 Cont.	Status
H	H	H	H	H	H	H	Port1
L	H	H	H	H	H	H	Port2
X	L	H	H	H	H	H	Port3
X	X	L	H	H	H	H	Port4
X	X	X	L	H	H	H	Port5
X	X	X	X	L	H	H	Port6
X	X	X	X	X	L	H	Port7
X	X	X	X	X	X	L	Port8

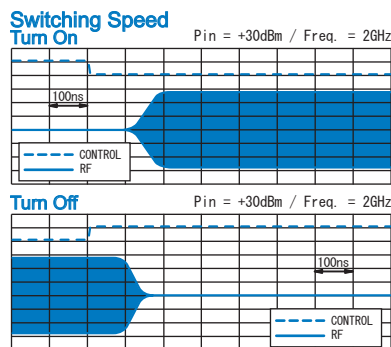
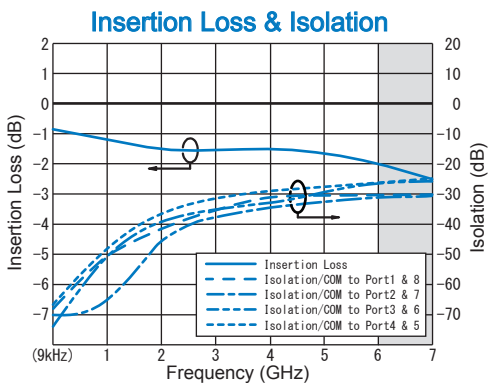
※H = +5V C-MOS H or Open / L = +5V C-MOS L or Short to GND.

DC Supply Input : +5V ±0.5V / 100mA (max.)
 Operating Temperature : -25°C to +85°C
 Storage Temperature : -25°C to +85°C
 Connectors : SMA-FEMALE
 Weight : 170g (typ.)

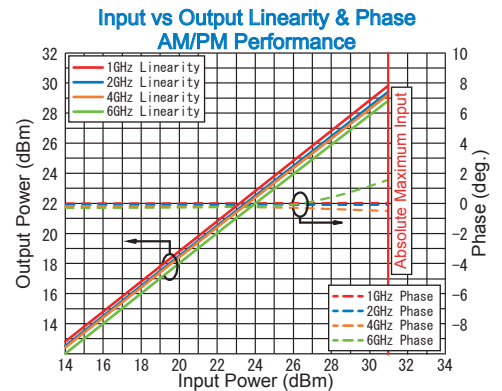
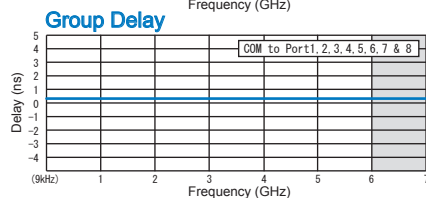
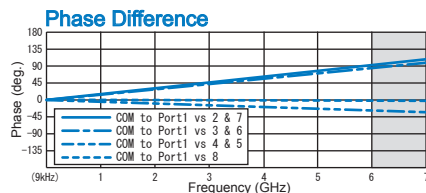
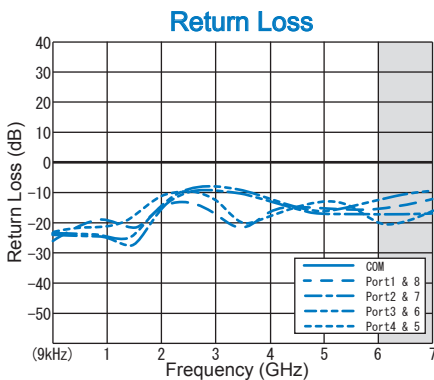
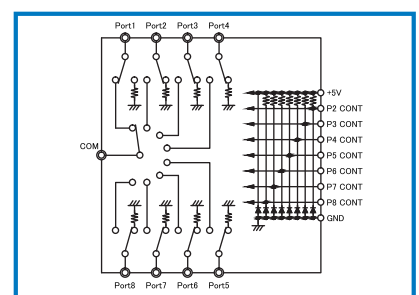
HOW TO ORDER

Model Name : R&K-SW1030-0S
 No Option

TYPICAL PERFORMANCE



SCHEMATIC



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