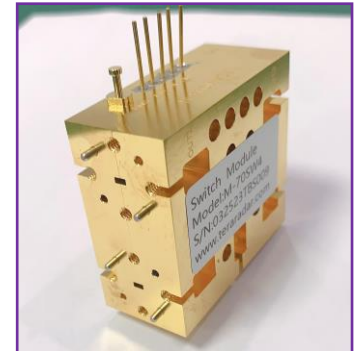


Switch Module

Product Features

- Frequency: 70GHz~96GHz
- SP4T
- Insert Loss =5dB
- Isolation=33dB



Electrical Specs:

Parameter	Minimum	Typical	Maximum
Frequency Range	70GHz		96GHz
Insert Loss		5dB	
Isolation		33dB	
Input Power			20dBm
Input P1dB		20dBm	
Input Return Loss		-12dB	
Output Return Loss		-18dB	
Switching time		700ns	
DC Voltage	+6V	+7V	+10 V
DC Supply Current		10mA	
Specification Temperature	10 °C	+25 °C	40 °C
Operating Temperature	0 °C		+50 °C

Mechanical Specs:

Item	Specification
Input	WR-10 Waveguide with UG-387/UM Flange
Output 1~4	WR-10 Waveguide with UG-387/UM Flange
Control Voltage K1~K4	Solder Pin, TTL
Power Supply	Solder Pin, +7V
Case Material/ Finish	Brass /Gold Plated
Weight	0.4kg

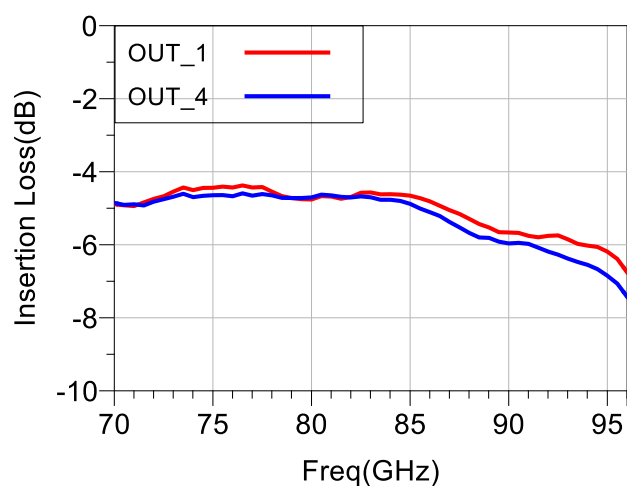
Size (W×L×H)	45 mm×50 mm×22 mm
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Control Voltage				Status			
K1	K2	K3	K4	OUT1	OUT2	OUT3	OUT4
1	0	0	0	On	Off	Off	Off
0	1	0	0	Off	On	Off	Off
0	0	1	0	Off	Off	On	Off
0	0	0	1	Off	Off	Off	On

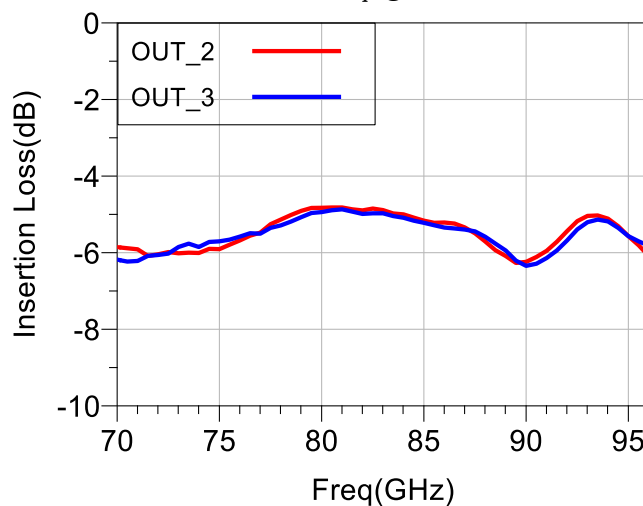
Note: "0" -TTL low voltage, "1" -TTL low voltage

Measured Performance: (TA=+25℃) V=7V, I=10mA, Pwr_Input=-15dBm

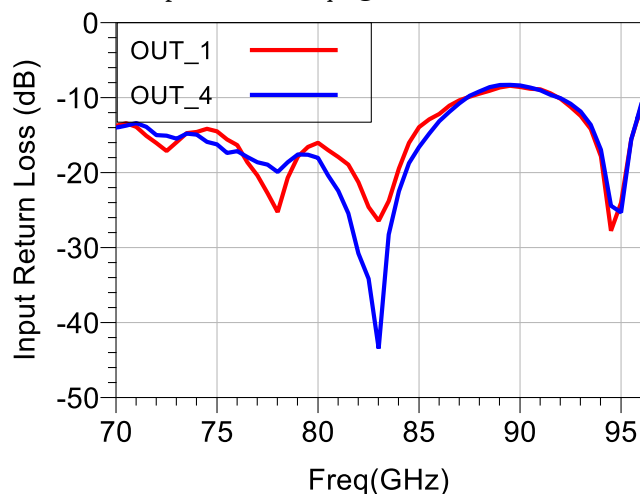
Insert Loss vs.Freq. @OUT1/ OUT 4



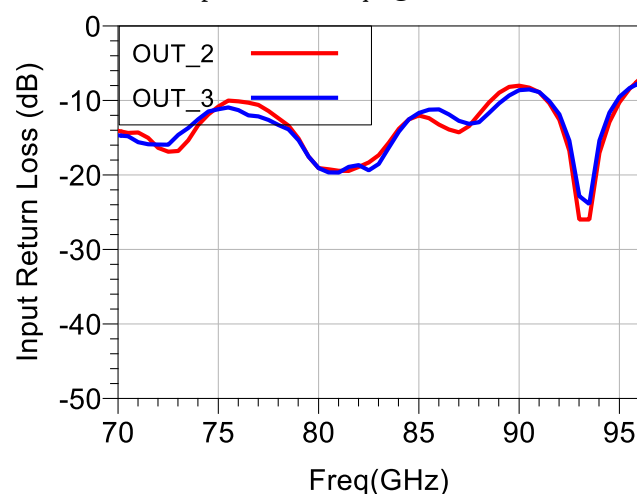
Insert Loss vs.Freq. @OUT2/OUT3

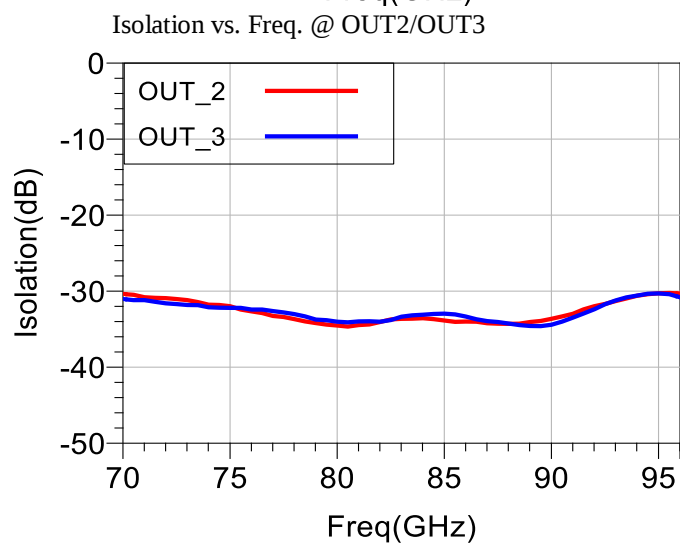
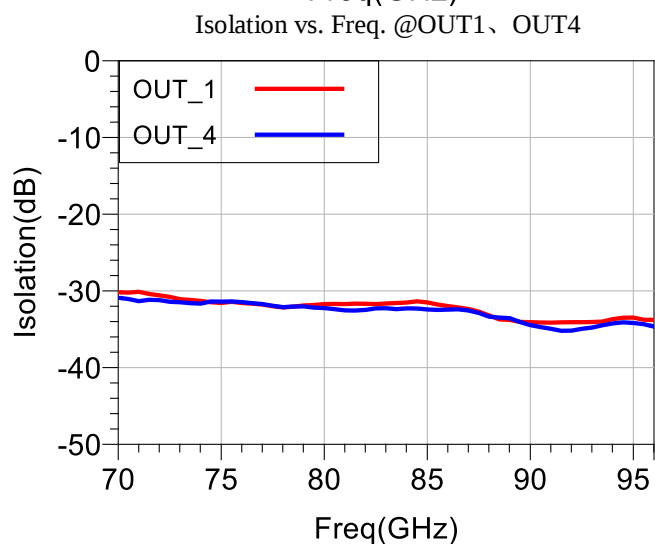
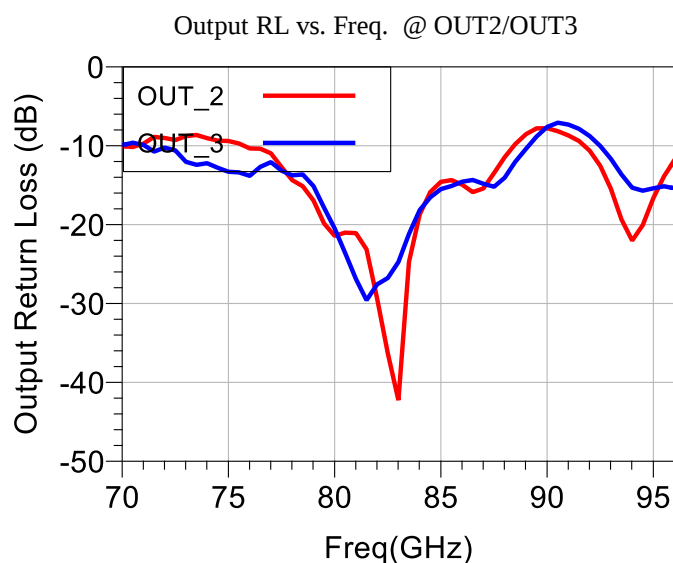
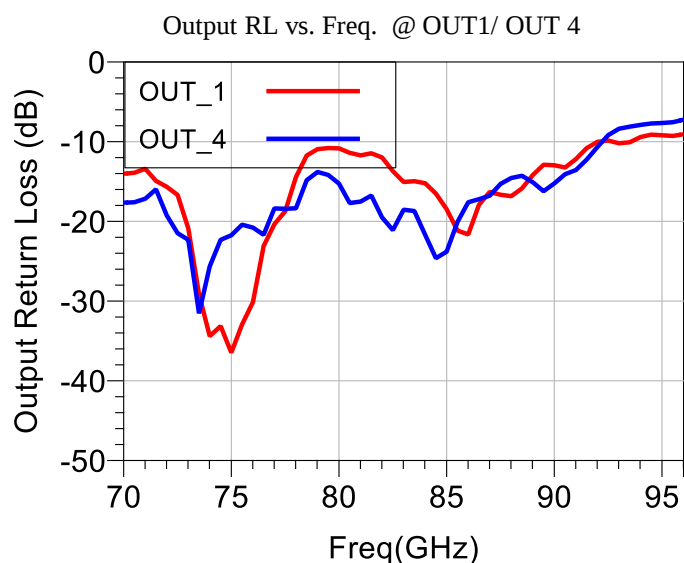


Input RL vs. Freq. @ OUT1/ OUT 4

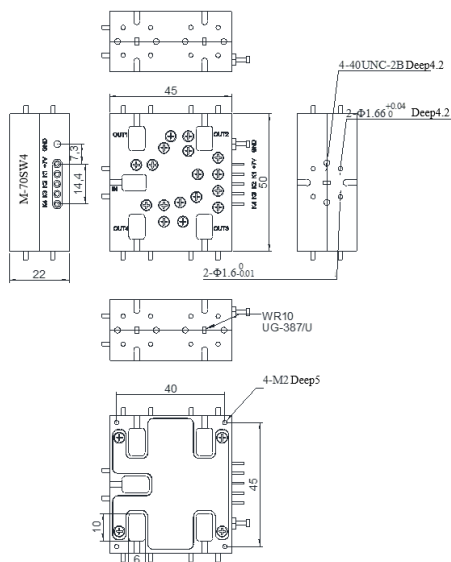


Input RL vs. Freq. @ OUT2/OUT3





Mechanical Outline:



Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is the typical performance for the reference.