

Switch Module

Product Features

- Frequency: 22GHz~32GHz
- SP4T
- Insert Loss =3.5dB
- Isolation=30dB



Electrical Specs:

Parameter	Minimum	Typical	Maximum
Frequency Range	22GHz		32 GHz
Insert Loss		3.5dB	
Isolation		30dB	
Input Power			22dBm
Input P1dB		20dBm	
Input VSWR		2.2	
Output VSWR		2.3	
Switching time		500ns	
DC Voltage	+6V	+6V	+10 V
DC Supply Current		105mA	
Specification Temperature	10 °C	+25 °C	40 °C
Operating Temperature	0 °C		+50 °C

Mechanical Specs:

Item	Specification
Input	WR-34 Waveguide with UBR 260 TYPE Flange
Output 1~4	WR-34 Waveguide with UBR 260 TYPE Flange
Control Voltage CH1~CH4	Solder Pin, TTL
Power Supply	Solder Pin, +6V
Case Material /Finish	Brass /Gold Plated
Weight	0.8kg

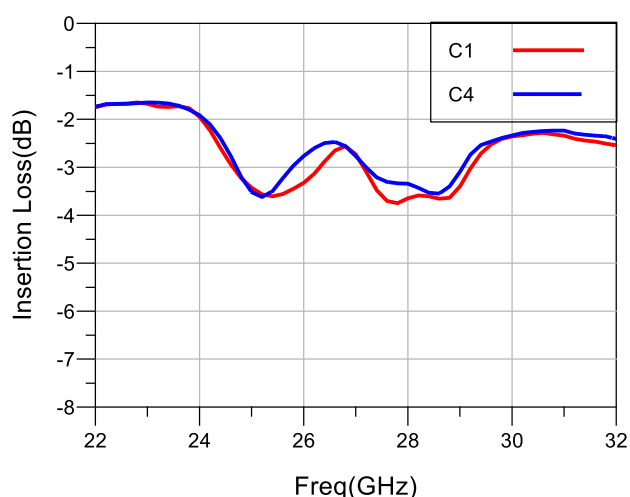
Size (W×L×H)	75 mm×60 mm×23 mm
--------------	-------------------

Control Voltage				Status			
CH1	CH2	CH3	CH4	IN-C1	IN-C2	IN-C3	IN-C4
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

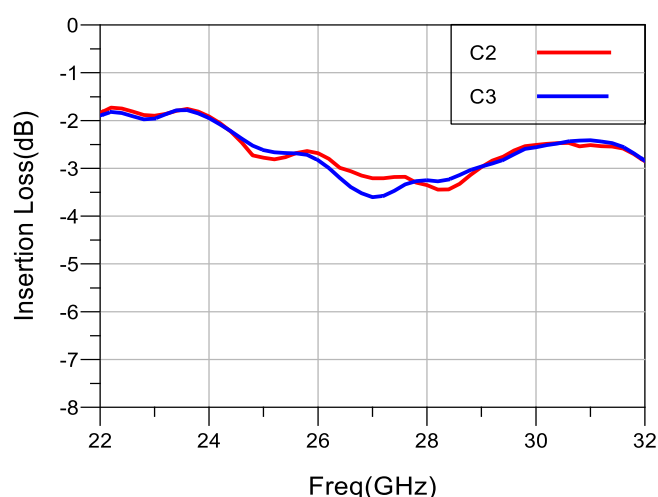
Note: "0" -TTL low voltage, "1" -TTL low voltage

Measured Performance: (TA=+25℃) V=6V, I=105mA, Pwr_Input=-20dBm

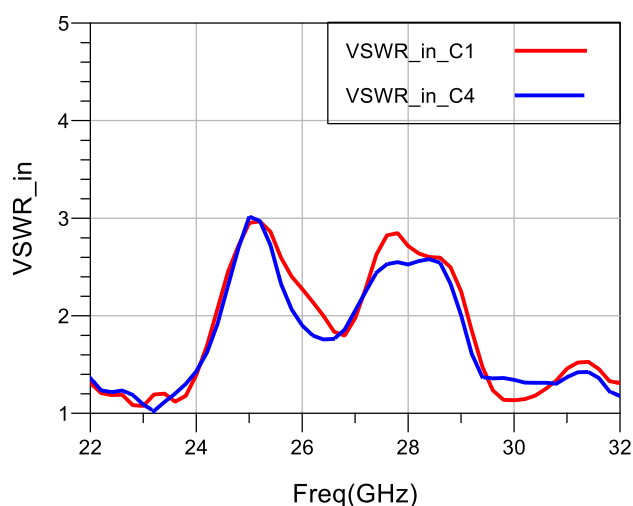
Insert Loss vs.Freq. @C1/C4



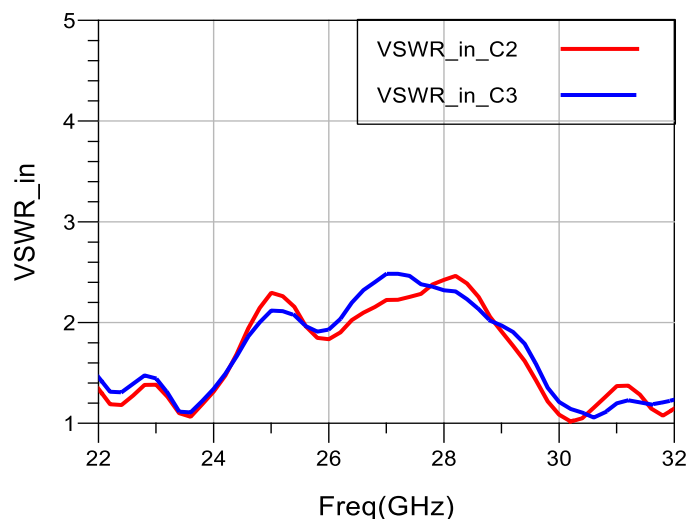
Insert Loss vs.Freq. @C2/C3



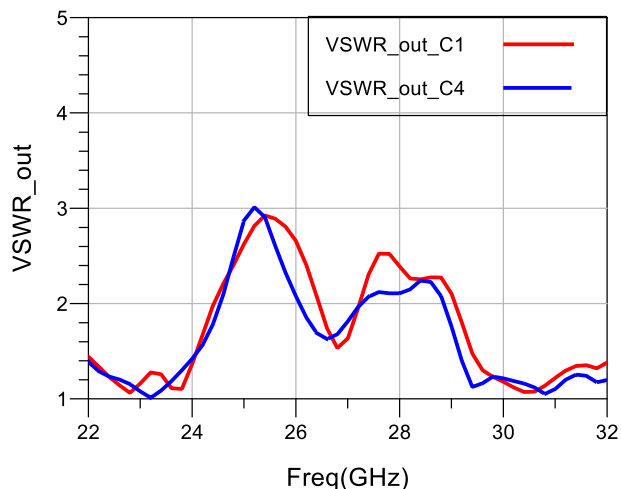
Input VSWR vs. Freq. @C1/C4



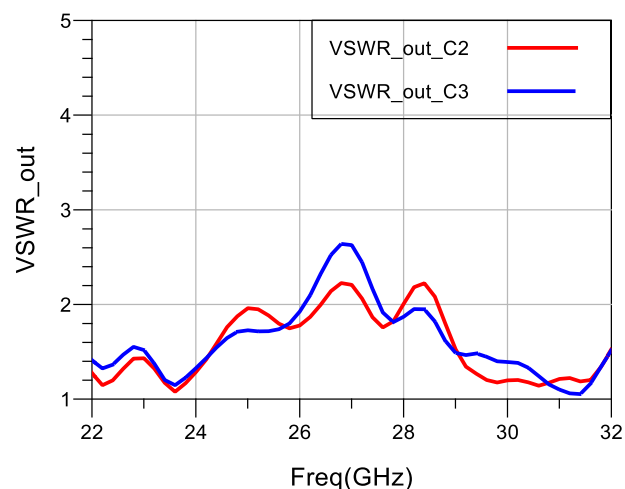
Input VSWR vs. Freq. @C2/C3



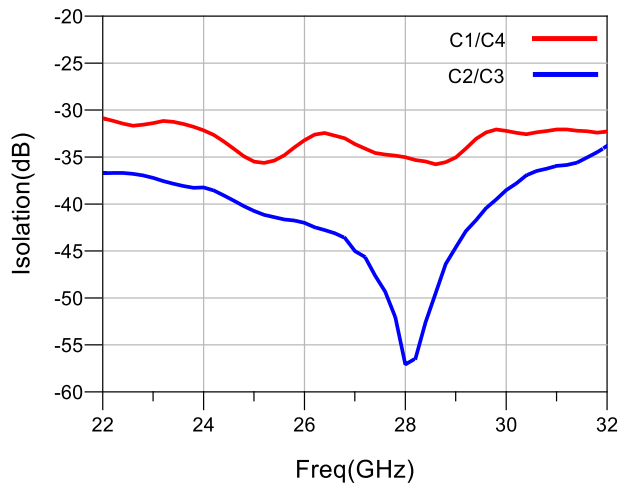
Output VSWR vs. Freq. @C1/C4



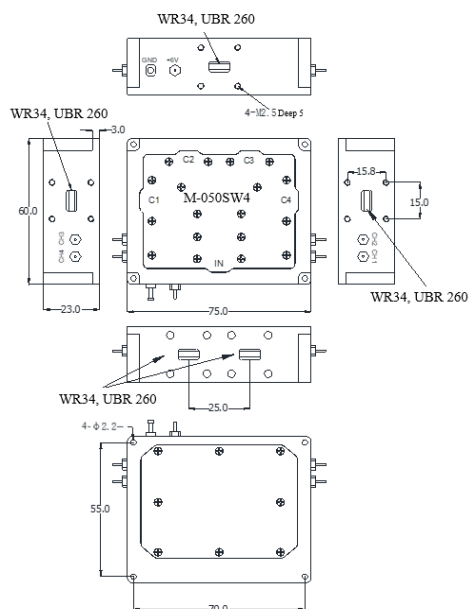
Output VSWR vs. Freq. @C2/C3



Isolation vs. Freq.



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.