

Product features

Broadband

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	5	~	3000	MHz
Attenuation range	2	~	35	dB
VSWR		1.8	2	
Control Voltage Range	0	~	5	V

Other parameters

Power	0.3W Design assurance	
Impedance	50Ω	
Response time	10us	
Connector	SMA	
Connector material	Stainless steel	
Surface	Gold-plating	
Working voltage	+5V	
Working current	10mA	
Work Temp.	-40~+70°C Design assurance	
Storage Temp.	-65~+105°C Design assurance	
Other	When MODE=+5V, the attenuation is minimized when the control voltage VC=0V, and the attenuation is maximized when the control voltage VC=+5V. When MODE=0V, the attenuation is maximized when the control voltage VC=0V, and the attenuation is minimized when the control voltage VC=5V.	

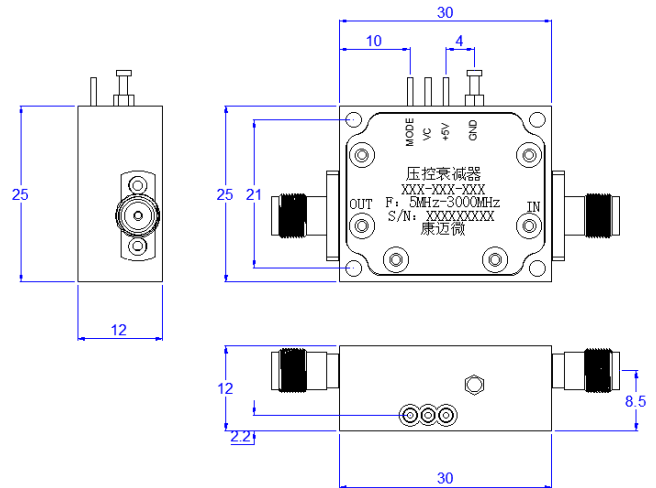
Typical test data

Frequency GHz	0V ILdB	1V ILdB	2V ILdB	3V ILdB	4V ILdB	5V ILdB
0.01	-1.59	-2.97	-15.45	-29.64	-32.76	-33.91
0.36	-1.72	-3.05	-15.5	-30.44	-33.59	-34.79
0.71	-1.81	-3.14	-15.56	-30.53	-33.68	-34.87
1.07	-1.88	-3.21	-15.6	-30.58	-33.77	-34.96
1.43	-1.95	-3.3	-15.64	-30.68	-33.85	-35.05
1.79	-2.03	-3.4	-15.68	-30.79	-33.97	-35.13
2.14	-2.1	-3.49	-15.71	-30.91	-34.1	-35.12
2.5	-2.17	-3.56	-15.69	-30.81	-33.86	-34.87
2.86	-2.23	-3.63	-15.66	-30.85	-34.06	-34.34
3.21	-2.32	-3.8	-15.65	-30.66	-33.41	-34.67
3.57	-2.44	-3.87	-15.41	-30.26	-33.53	-34.56
3.93	-2.67	-4.11	-15.31	-30.43	-33.99	-34.99
4.29	-3.18	-4.6	-15.28	-30.41	-34.11	-35.18
4.64	-3.94	-5.32	-15.35	-30.49	-34.26	-35.31
5	-4.89	-6.21	-15.58	-30.75	-34.71	-35.62

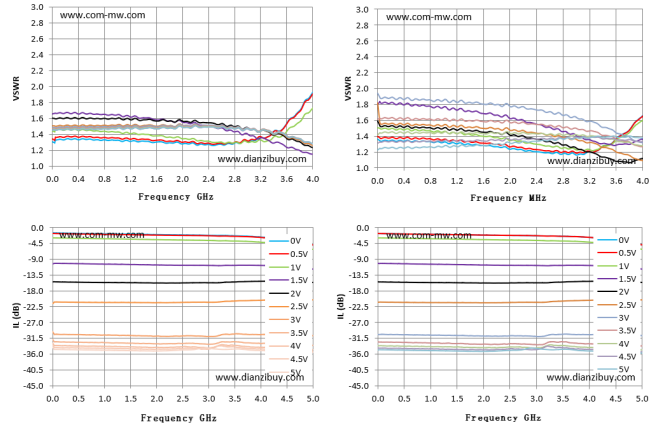
Reference picture



Configuration(mm)



Typical test curve



Note

1. Clean the surface of the product, do not soak the product in a cleaning solution; 2. This product belongs to electrostatic sensitive devices. Pay attention to anti-static measures during installation or storage; 3. If the overall temperature is greater than 125 °C, please consult with us before placing an order.

Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.