

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	18	GHz
Attenuation	2.2	3	3.8	dB
VSWR			1.3	

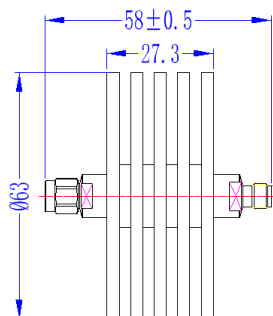
Other parameters

Power Capacity	20W Design assurance
Peak power	500W design guarantee, duty cycle 1%, pulse width 5uS
Impedance	50Ω
Connector	SMA-JK
Connector material	Stainless steel 303
Surface	Black anodizing
Product shell material	Aluminum 6061
Operation Temp.	-55~+125°C Design assurance
Weight	147g
ROHS	Compliant Available
Other	When used at full power, it is recommended to add additional air cooling

Reference picture



Configuration(mm)

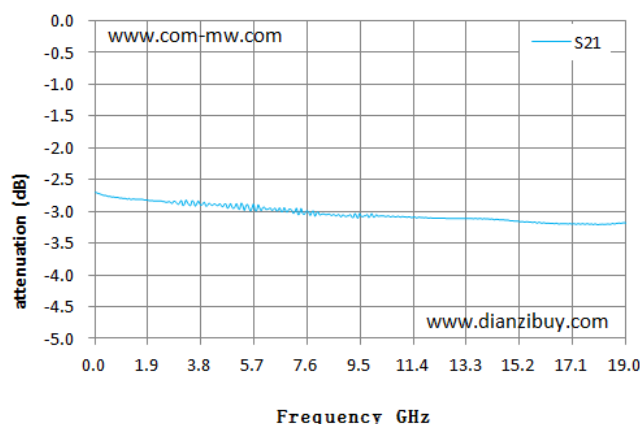
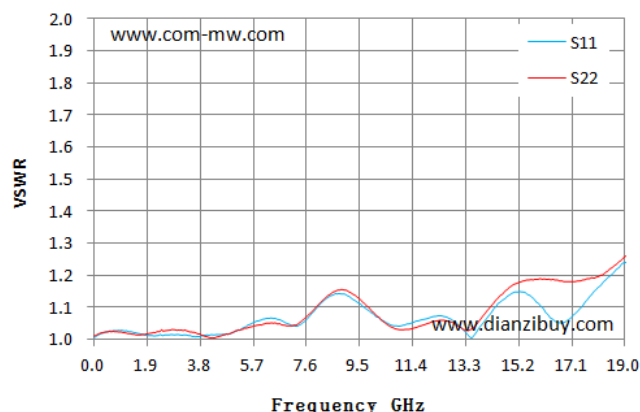


Typical test data

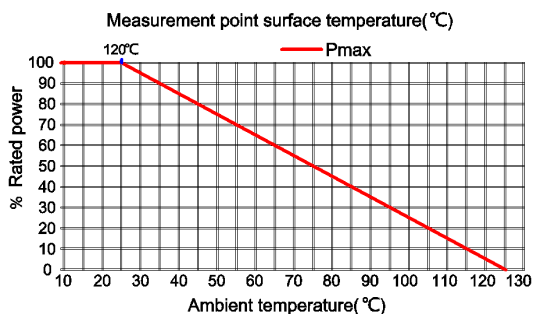
Frequency GHz	S11 VSWR	S22 VSWR	S12 Attenuation
0.01	1.00	1.01	-2.70
1.37	1.02	1.02	-2.81
2.72	1.01	1.03	-2.86
4.08	1.01	1.01	-2.87
5.44	1.04	1.03	-2.92
6.79	1.05	1.04	-2.94
8.15	1.11	1.12	-3.04
9.51	1.11	1.13	-3.03
10.86	1.04	1.03	-3.08
12.22	1.07	1.05	-3.11
13.57	1.00	1.03	-3.12
14.93	1.14	1.16	-3.15
16.29	1.07	1.19	-3.19
17.64	1.12	1.19	-3.20
19.00	1.24	1.26	-3.18

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

Typical test curve



Power Derating Curve



Note

1. When installing attenuators, it is necessary to consider sufficient heat dissipation space and avoid installing them next to equipment with high heat output, otherwise the power capacity will decrease;
2. Small power attenuators do not have input and output directions, nor do they indicate directions. When high-power attenuators have input and output port markings, they must be connected to the equipment in the specified direction, otherwise the attenuator may burn out.