

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0	~	18	GHz
Attenuation	38.5	40	41.5	dB
VSWR			1.45	

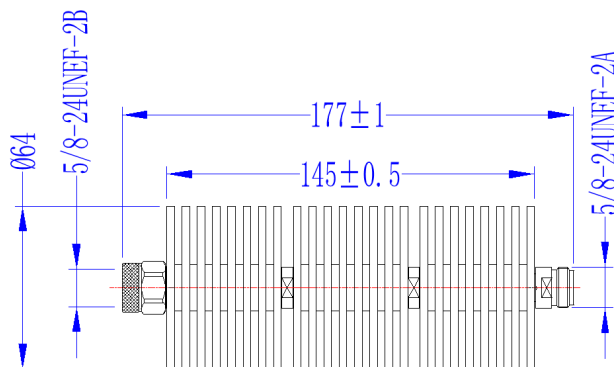
Other parameters

Power Capacity	100W Design assurance
Peak power	1000W design guarantee, duty cycle 10%, pulse width 5uS
Impedance	50Ω
Connector	N -MF or JK
Connector material	Stainless steel 303
Surface	Black anodizing
Product shell material	Aluminium
Operation Temp.	-55~+125°C Design assurance
Weight	640g
ROHS	Compliant Available
Other	Additional air cooling is added when using at full power.

Reference picture

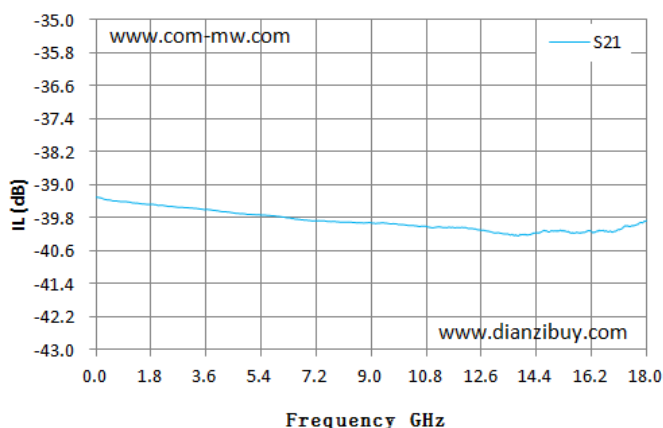
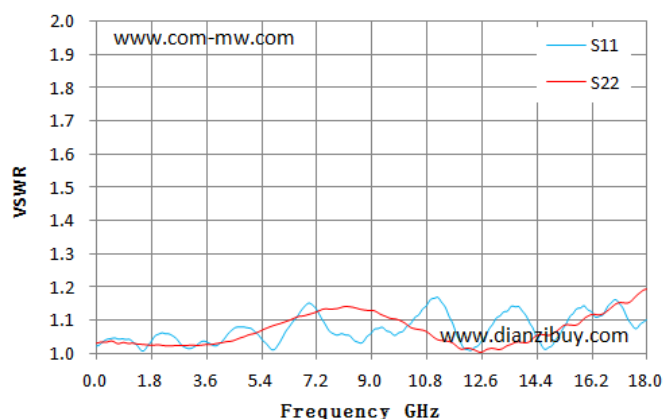


Configuration(mm)

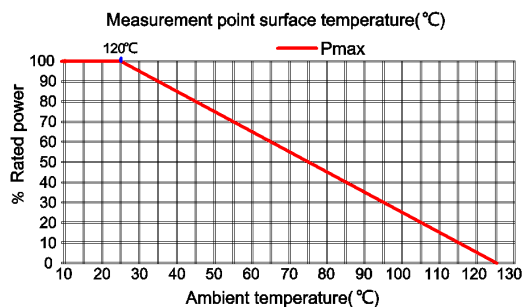


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test curve



Power Derating Curve



Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S21 IL dB
0.01	1.02	1.03	-39.30
1.30	1.02	1.03	-39.45
2.58	1.05	1.02	-39.54
3.87	1.02	1.03	-39.62
5.15	1.07	1.06	-39.72
6.44	1.09	1.11	-39.82
7.72	1.06	1.13	-39.89
9.01	1.06	1.13	-39.92
10.29	1.09	1.08	-39.99
11.58	1.10	1.03	-40.03
12.86	1.07	1.01	-40.13
14.15	1.09	1.03	-40.21
15.43	1.10	1.09	-40.14
16.72	1.14	1.13	-40.14
18.00	1.10	1.19	-39.87

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.