

Product features

Broadband, dual directional coupler.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	4000	~	8000	MHz
IL			1.3	dB
Dual Directional coupling	9	10	11	dB
Directivity	20			dB
Main line VSWR			1.3	
Coupled line VSWR			1.3	

Other parameters

Connector	SMA-K
Connector material	Stainless steel
Impedance	50Ω
Surface	White
Power Capacity	10W
Shell Material	Aluminium
Operation Temp.	-40~+85°C Design assurance

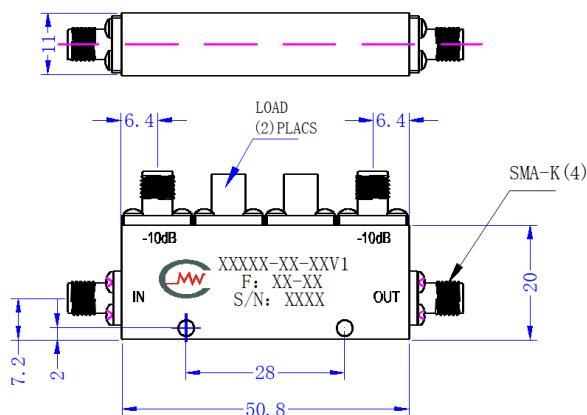
Port Definition

Input port	IN
Output port	OUT
Coupling port	-10dB (one forward, one reverse)

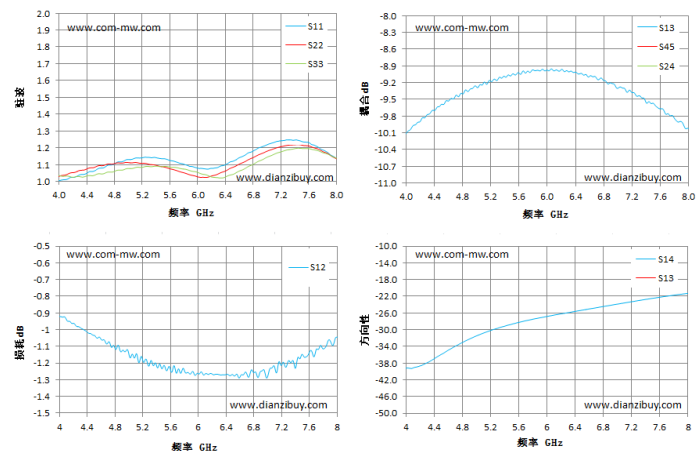
Reference picture



Configuration(mm)



Typical test curve



Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- 2 If the temperature is higher than 125°C, consult with us before ordering.

Typical test data

Frequency(GHz)	S11 VSWR	S13 coupling	S14 Directivity
4	1	-10.12	-39.19
4.29	1.04	-9.8	-38
4.57	1.08	-9.53	-35.22
4.86	1.12	-9.34	-32.56
5.14	1.14	-9.23	-30.55
5.43	1.14	-9.09	-29
5.71	1.11	-9.01	-27.82
6	1.08	-8.98	-26.84
6.29	1.08	-9	-25.95
6.57	1.13	-9.09	-25.12
6.86	1.2	-9.23	-24.28
7.14	1.24	-9.37	-23.48
7.43	1.25	-9.55	-22.68
7.71	1.21	-9.76	-21.97
8	1.14	-10.03	-21.3

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