

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	600	~	6000	MHz
IL			1.1	dB
Isolation	18			dB
VSWR			1.3	
Amplitude balance			± 0.7	dB
Phase balance			± 6	°

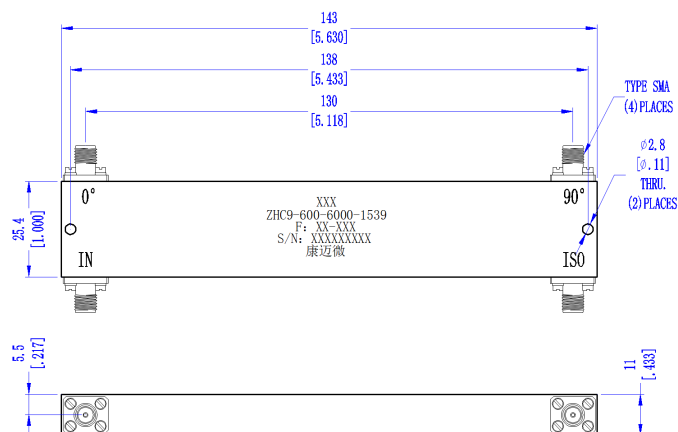
Other parameters

Power Capacity	50W Design assurance
Phase	90° Hybrid
Impedance	50Ω
Connector	SMA-K
Connector material	Stainless steel
Product shell material	Aluminium
Operation Temp.	-40~+85°C Design assurance

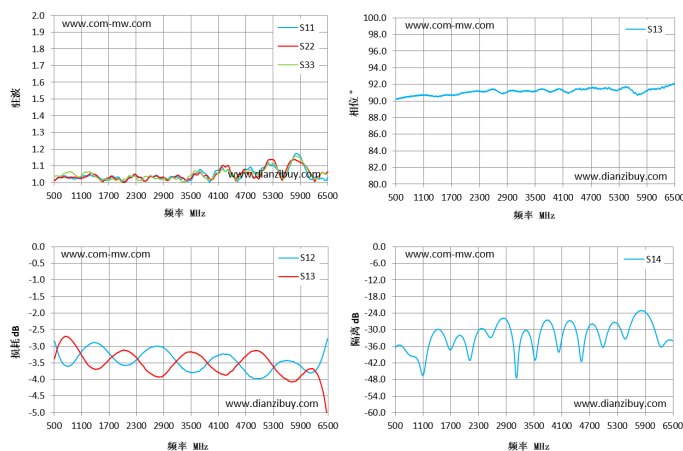
Reference picture



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(MHz)	S11 VS WR	S1 2 IL dB	S1 3 IL dB	S13 Pha se (°)	S14 ISO dB
500	1.01	-2.8 4	-3.3 8	90.1 9	-36. 42
929	1.02	-3.4 8	-2.9	90.6 2	-39. 76
1357	1.04	-2.8 9	-3.6 8	90.5 4	-30. 6
1786	1.04	-3.3 4	-3.3	90.7	-34. 35
2214	1.04	-3.5 1	-3.2 3	91.1 9	-34. 28
2643	1.04	-3.0 2	-3.8 5	91.3 5	-30. 65
3071	1.04	-3.2 7	-3.6 2	91.2 3	-37. 64
3500	1.01	-3.7 9	-3.1 7	91.1 6	-39. 49
3929	1.01	-3.4 1	-3.6 1	91.2 5	-30. 05
4357	1.06	-3.2 6	-3.7 8	91.3 1	-27. 78
4786	1.09	-3.9	-3.2	91.5 5	-27. 99
5214	1.11	-3.8 1	-3.4 4	91.2 7	-27. 39
5643	1.08	-3.4 4	-4.0 5	90.9 6	-25. 87
6071	1.04	-3.7 8	-3.7	91.4 2	-28. 18
6500	1.03	-2.7 6	-5.1 9	92.1 2	-33. 92

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