

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.6	~	8	GHz
IL			0.8	dB
Coupling	28.8	30	31.2	dB
Directivity	12			dB
Main line VSWR			1.35	
Coupled line VSWR			1.35	

Other parameters

Main line interface form	N -F or K
Coupling line interface form	SMA-F or K
Impedance	50Ω
Surface	Conductive oxidation
Power Capacity	100W Design assurance
Shell Material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade

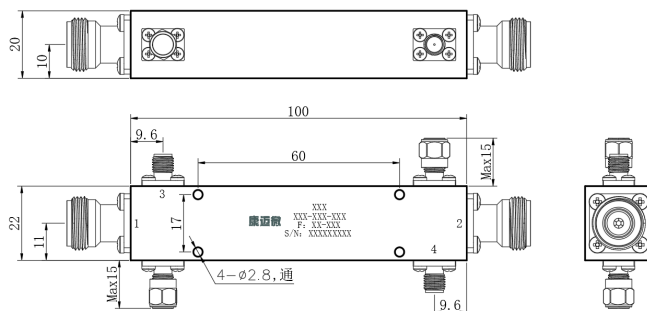
Port Definition

Input port	1	2
Output port	2	1
Coupling port	3	4

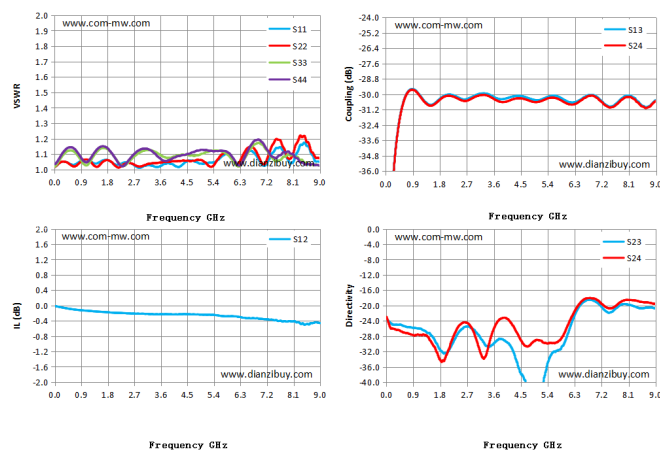
Reference picture



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	S1 1 VS WR	S2 2 VS WR	S3 3 VS WR	S4 4 VS WR	S1 2 IL dB	S13 cou pli ng	S24 Co upli ng	S23 Dire ctiv ity	S24 Dire ctiv ity
0.01	1.0 2	1.0 2	1.0 2	1.0 3	-0. 02	-56. 51	-56. 51	-23. 46	-22. 95
0.64	1.0 3	1.0 2	1.1 2	1.1 4	-0. 10	-30. 27	-30. 31	-25. 50	-27. 21
1.29	1.0 4	1.0 4	1.0 8	1.0 9	-0. 15	-30. 52	-30. 59	-26. 62	-27. 71
1.93	1.0 5	1.0 5	1.1 1	1.1 1	-0. 19	-30. 15	-30. 23	-32. 56	-34. 46
2.57	1.0 4	1.0 4	1.0 6	1.0 7	-0. 21	-30. 40	-30. 51	-25. 92	-24. 48
3.21	1.0 3	1.0 4	1.1 3	1.1 3	-0. 23	-29. 94	-30. 06	-29. 01	-33. 35
3.86	1.0 4	1.0 5	1.0 8	1.0 6	-0. 23	-30. 39	-30. 61	-28. 75	-23. 36
4.50	1.0 5	1.0 6	1.1 0	1.1 0	-0. 23	-30. 14	-30. 33	-37. 67	-28. 99
5.14	1.0 4	1.0 4	1.1 1	1.1 3	-0. 24	-30. 44	-30. 57	-43. 94	-29. 14
5.79	1.1 0	1.1 1	1.1 1	1.1 2	-0. 28	-30. 24	-30. 43	-31. 56	-29. 16
6.43	1.0 9	1.1 0	1.0 6	1.0 7	-0. 32	-30. 50	-30. 61	-20. 60	-19. 90
7.07	1.0 3	1.0 4	1.1 6	1.1 7	-0. 36	-30. 29	-30. 36	-19. 33	-18. 64
7.71	1.1 4	1.1 7	1.0 7	1.1 0	-0. 42	-30. 68	-30. 77	-20. 59	-19. 89
8.36	1.1 6	1.2 2	1.0 6	1.0 5	-0. 49	-30. 51	-30. 61	-20. 46	-18. 74
9.00	1.0 5	1.0 7	1.0 3	1.0 3	-0. 46	-30. 44	-30. 52	-20. 81	-19. 54

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