

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	50	~	61	GHz
IL			1.4	dB
Coupling	38.5	40	41.5	dB
Directivity	12			dB
Main line VSWR			1.8	
Coupled line VSWR			1.6	

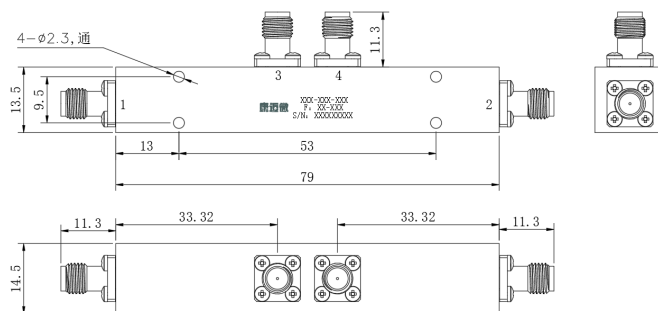
Other parameters

Connector	1.85-F or K
Connector material	Stainless steel
Impedance	50Ω
Surface	Black baking paint
Power Capacity	10W Design assurance
Shell Material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade

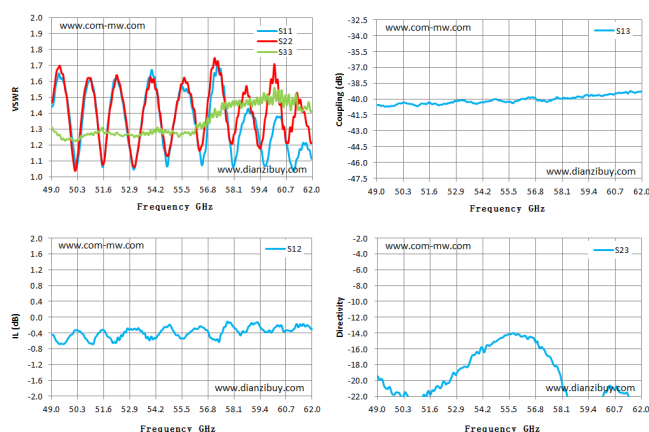
Reference picture



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.

Port Definition

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

Frequency GHz	S11 VS WR	S22 VS WR	S33 VS WR	S1 2 IL dB	S13 cou plin g	S23 Dire ctivi ty
49.00	1.4 4	1.4 7	1.3 1	-0. 44	-40. 59	-19. 45
49.93	1.3 5	1.3 0	1.2 5	-0. 47	-40. 58	-21. 47
50.86	1.6 0	1.6 2	1.2 7	-0. 64	-40. 58	-22. 27
51.79	1.3 2	1.2 9	1.2 8	-0. 48	-40. 46	-21. 31
52.71	1.3 4	1.3 7	1.2 7	-0. 39	-40. 34	-19. 16
53.64	1.4 6	1.4 5	1.2 7	-0. 40	-40. 26	-17. 02
54.57	1.1 9	1.2 6	1.2 7	-0. 29	-40. 19	-15. 49
55.50	1.5 7	1.5 9	1.2 7	-0. 54	-40. 26	-14. 15
56.43	1.1 2	1.1 8	1.3 3	-0. 22	-39. 84	-14. 65
57.36	1.6 6	1.6 7	1.4 1	-0. 63	-40. 27	-16. 82
58.29	1.1 7	1.3 8	1.4 5	-0. 35	-39. 95	-21. 35
59.21	1.3 4	1.2 8	1.4 7	-0. 15	-39. 67	-25. 07
60.14	1.3 5	1.6 9	1.5 5	-0. 27	-39. 66	-21. 62
61.07	1.0 4	1.3 7	1.4 8	-0. 31	-39. 40	-21. 57
62.00	1.1 2	1.2 2	1.4 1	-0. 31	-39. 31	-24. 49

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