

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	21.7	~	33	GHz
IL			0.2	dB
Coupling	28.5	30	31.5	dB
Directivity		15		dB
Main line VSWR		1.15		
Coupled line VSWR			1.7	

Other parameters

Connector	Waveguide
Waveguide port	BJ260
Surface	Conductive oxidation
Power Capacity	Peak power 30KW, average power 300W design guarantee
Shell Material	Aluminium
Operation Temp.	-40~+70°C Design assurance

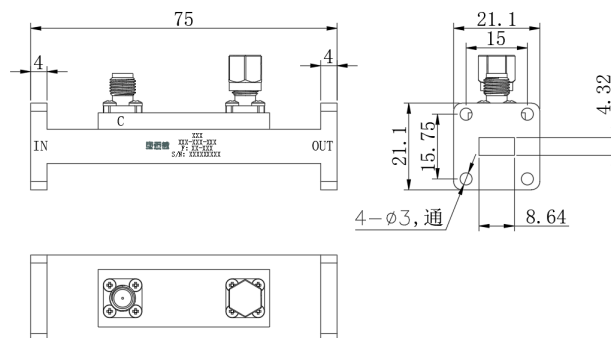
Port Definition

Input port	IN	FBP260
Output port	OUT	FBP260
Coupling port	C	2.92-F

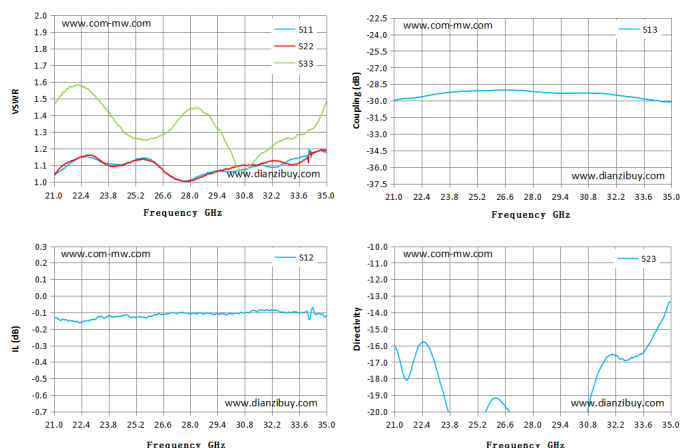
Reference picture



Configuration(mm)



Typical test curve



Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.

Typical test data

Frequency GHz	S11 VS WR	S22 VS WR	S33 VS WR	S1 2 IL (dB)	S13 Cou plin g	S23 Dire ctivi ty
20.98	1.0 4	1.0 4	1.4 6	-0.1 3	-29. 94	-16. 09
21.98	1.1 2	1.1 3	1.5 8	-0.1 5	-29. 75	-16. 82
22.98	1.1 4	1.1 6	1.5 3	-0.1 4	-29. 44	-16. 82
23.98	1.1 1	1.0 9	1.3 9	-0.1 3	-29. 20	-21. 21
24.98	1.1 3	1.1 2	1.2 7	-0.1 3	-29. 11	-22. 75
25.98	1.1 4	1.1 3	1.2 6	-0.1 3	-29. 05	-19. 22
26.98	1.0 4	1.0 4	1.3 2	-0.1 0	-29. 05	-20. 39
27.98	1.0 1	1.0 1	1.4 4	-0.1 1	-29. 17	-20. 70
28.98	1.0 6	1.0 5	1.4 0	-0.1 1	-29. 29	-23. 95
29.98	1.0 6	1.0 8	1.2 1	-0.1 1	-29. 31	-30. 73
30.98	1.0 8	1.1 0	1.0 8	-0.1 0	-29. 32	-18. 87
31.98	1.0 9	1.1 2	1.1 9	-0.0 9	-29. 43	-16. 55
32.98	1.1 2	1.1 1	1.2 6	-0.1 0	-29. 67	-16. 73
33.98	1.1 6	1.1 4	1.3 0	-0.0 9	-29. 93	-15. 71
34.98	1.1 8	1.1 9	1.4 7	-0.1 2	-30. 09	-13. 36

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