

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	40	~	100	MHz
IL		0.6		dB
Isolation		20		dB
VSWR		1.25		
Amplitude balance		1		dB
Phase balance		3		°

Other parameters

Power Capacity	1W Design assurance
Phase	90° Hybrid
Impedance	50Ω
Connector	SMA-F
Connector material	Stainless steel
Product shell material	Aluminium
Operation Temp.	-45~+85°C Design assurance
Quality Grade	Industrial grade

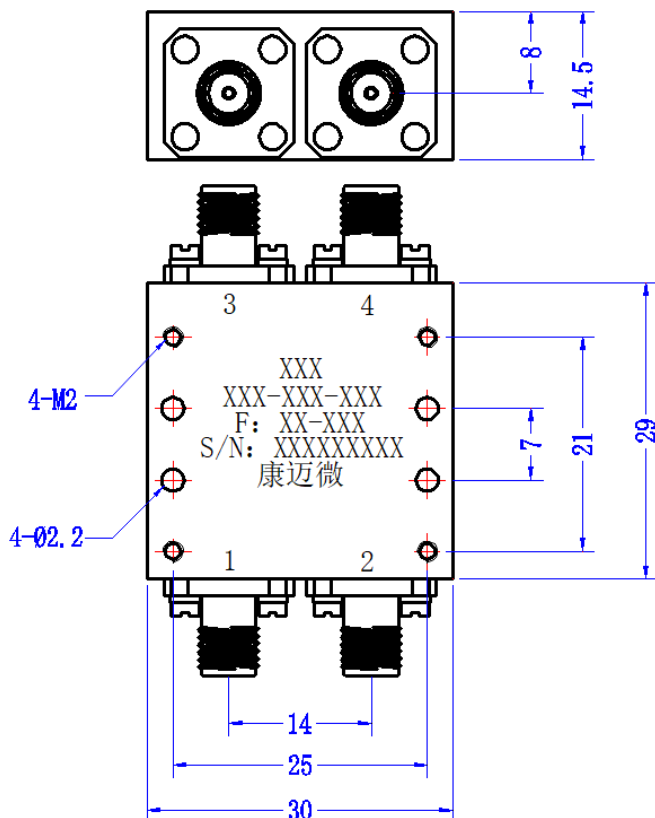
Port Definition

in	23
0°	32
-90°	41
iso	14

Reference picture



Configuration(mm)

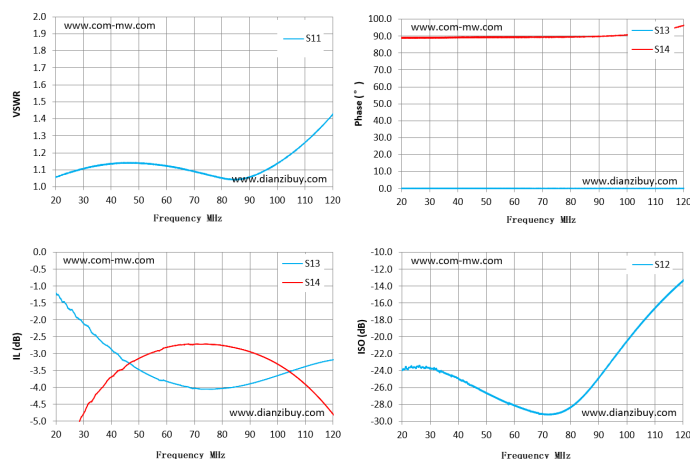


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency MHz	S11 VSWR	S13 IL (dB)	S14 IL (dB)	S14 Phase	S1 2 ISO
20.00	1.06	-1.2 1	-6.8 8	89.0 0	-23. 95
27.00	1.09	-1.8 7	-5.2 7	89.0 3	-23. 68
34.00	1.12	-2.4 5	-4.2 7	89.0 9	-24. 02
41.00	1.14	-2.9 5	-3.6 3	89.1 9	-25. 16
49.00	1.14	-3.4 3	-3.1 8	89.3 1	-26. 48
56.00	1.13	-3.7 3	-2.9 3	89.3 5	-27. 61
63.00	1.12	-3.9 0	-2.7 6	89.3 7	-28. 50
70.00	1.09	-4.0 3	-2.7 2	89.3 8	-29. 14
77.00	1.06	-4.0 5	-2.7 3	89.4 2	-28. 88
84.00	1.04	-4.0 0	-2.8 2	89.5 5	-27. 21
91.00	1.06	-3.8 7	-2.9 7	89.8 5	-24. 44
99.00	1.13	-3.6 8	-3.2 6	90.5 4	-20. 95
106.00	1.21	-3.4 9	-3.6 4	91.6 6	-18. 10
113.00	1.31	-3.3 1	-4.1 4	93.4 7	-15. 57
120.00	1.42	-3.1 8	-4.7 9	96.2 2	-13. 37

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.