

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	980	~	1140	MHz
IL			0.3	dB
Isolation	22			dB
VSWR			1.25	
Amplitude balance			0.2	dB
Phase balance			5	°

Other parameters

Power Capacity	80W Design assurance
Phase	180° Hybrid
Impedance	50Ω
Connector	Microstrip pad
Surface	Conductive oxidation
Product shell material	Aluminium
Operation Temp.	-55~+85°C Design assurance

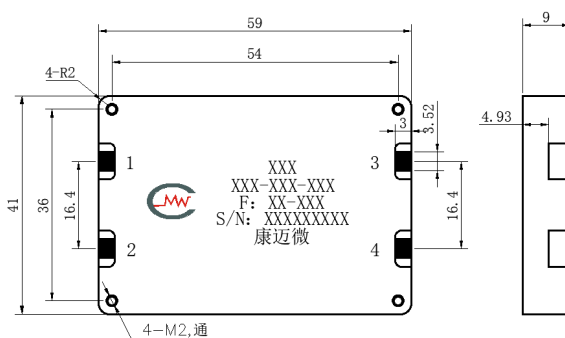
Port Definition

Difference port	1	3		
Sum port	4	2		
Output 1	2	4		
Output 2	3	1		

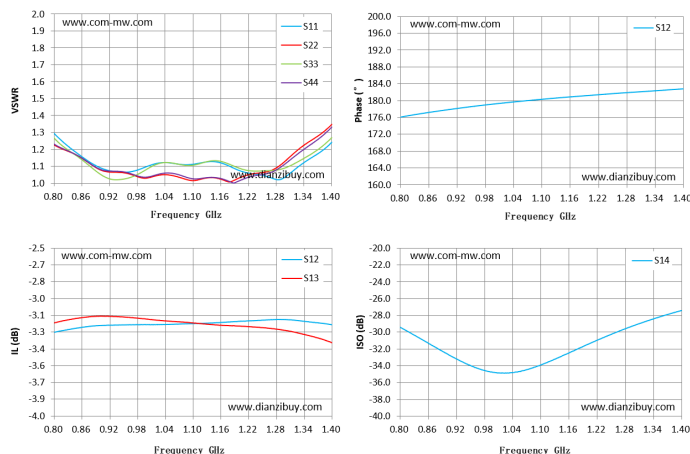
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

Frequency GHz	S11 VS WR	S12 IL (dB)	S13 IL (dB)	S12 Pha se	S12 ISO dB
0.8	1.3	-3.2 5	-3.1 7	176 .13	-29. 44
0.84	1.2	-3.2 2	-3.1 3	176 .89	-30. 68
0.89	1.1	-3.1 9	-3.1 1	177 .72	-32. 28
0.93	1.07	-3.1 9	-3.1 1	178 .33	-33. 47
0.97	1.07	-3.1 8	-3.1 2	178 .88	-34. 38
1.01	1.11	-3.1 8	-3.1 4	179 .39	-34. 84
1.06	1.12	-3.1 8	-3.1 6	179 .94	-34. 59
1.1	1.11	-3.1 7	-3.1 7	180 .36	-33. 88
1.14	1.13	-3.1 7	-3.1 8	180 .75	-32. 96
1.19	1.09	-3.1 6	-3.2	181 .18	-31. 71
1.23	1.06	-3.1 5	-3.2 1	181 .53	-30. 73
1.27	1.03	-3.1 4	-3.2 2	181 .87	-29. 83
1.31	1.06	-3.1 4	-3.2 4	182 .15	-29. 01
1.36	1.16	-3.1 6	-3.2 9	182 .53	-28. 09
1.4	1.24	-3.1 8	-3.3 5	182 .83	-27. 45

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.