

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2000	~	4000	MHz
IL			0.5	dB
Isolation	22			dB
VSWR			1.25	
Amplitude balance			± 0.5	dB
Phase balance			± 6	°

Other parameters

Power	50W Design assurance
Phase	180° Hybrid
Impedance	50Ω
Connector	SMA-K
Connector material	Stainless steel
Surface	Black
Product shell material	Aluminium
Work Temp.	-45~+85°C Design assurance
Quality Grade	Industrial grade

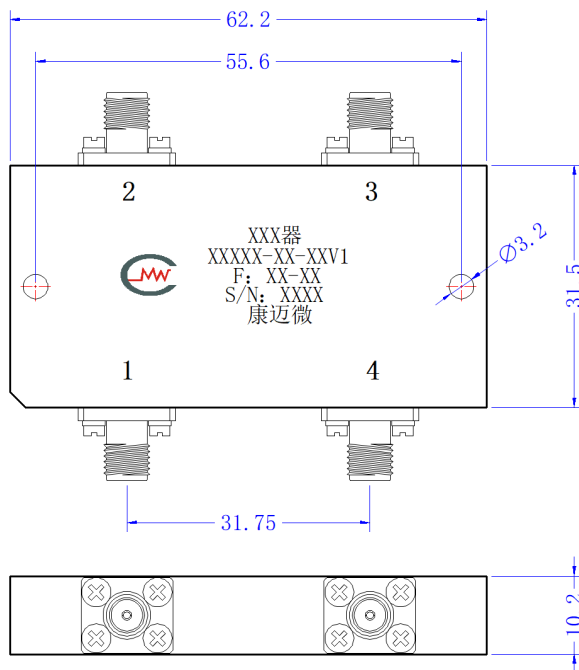
Port Definition

Difference port	1	
Sum port	4	
Output port -180°	3	
Output port 0°	2	

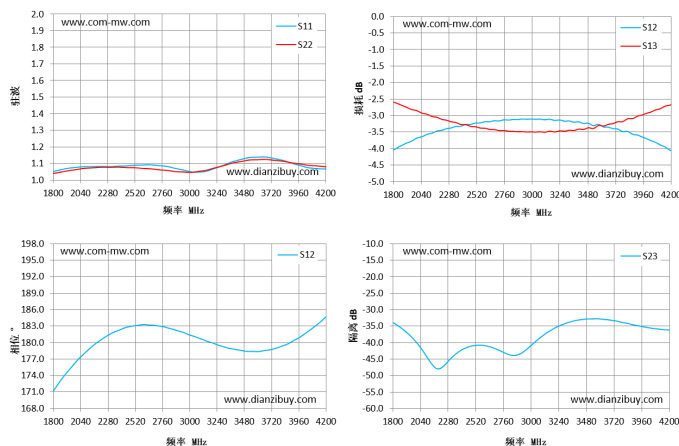
Reference picture



Configuration(mm)



Typical test curve



Note

- Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- If the temperature is higher than 125°C, consult with us before ordering.

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

Typical test data

Frequency(MHz)	S11 VS WR	S12 Pha se (°)	S1 2 IL dB	S1 3 IL dB	S23 ISO dB
1800	1.05	171. 13	-4.0 6	-2.5 9	-33. 88
1971	1.07	175. 85	-3.7 5	-2.8 3	-38. 68
2143	1.08	179. 31	-3.5 3	-3.0 3	-46. 72
2314	1.08	181. 69	-3.3 6	-3.2	-44. 6
2486	1.09	182. 97	-3.2 5	-3.3 4	-41. 07
2657	1.09	183. 17	-3.1 7	-3.4 2	-41. 47
2829	1.08	182. 54	-3.1 3	-3.4 8	-43. 87
3000	1.05	181. 38	-3.1 1	-3.4 9	-41. 05
3171	1.06	180. 09	-3.1 3	-3.4 8	-36. 33
3343	1.1	178. 95	-3.1 8	-3.4 5	-33. 77
3514	1.13	178. 38	-3.2 8	-3.3 9	-32. 88
3686	1.14	178. 6	-3.3 8	-3.2 6	-33. 24
3857	1.11	179. 68	-3.5 4	-3.1	-34. 39
4029	1.08	181. 78	-3.7 6	-2.9	-35. 58
4200	1.07	184. 63	-4.0 6	-2.6 8	-36. 26

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