

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	512	MHz
IL		0.65		dB
Isolation	20			dB
Input VSWR			1.25	
Output VSWR			1.25	
Amplitude balance			0.2	dB
Phase balance			±4	°

Other parameters

Power Capacity	10W Design assurance
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMD
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade

Port Definition

Common port	7
Dispatch Port	2, 3
GND	1, 4, 5, 6, 8

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	The product supports 220 °C reflow soldering.

Typical test data

Frequency MHz	S11 VSW R	S12 Phase	S12 IL (dB)	S13 IL (dB)	S23 ISO dB
25	1.06	0.52	-3.07	-3.08	-32.08
95	1.02	-0.12	-3.15	-3.13	-36.4
164	1	-0.3	-3.18	-3.16	-35.52
234	1.03	-0.42	-3.21	-3.2	-34.16
304	1.02	-0.56	-3.25	-3.23	-32.55
373	1.02	-0.62	-3.31	-3.29	-31.39
443	1.02	-0.79	-3.37	-3.35	-30.44
513	1.02	-1	-3.46	-3.44	-30.02
582	1.03	-1.17	-3.5	-3.48	-30.15
652	1.05	-1.42	-3.52	-3.51	-30.78
721	1.07	-1.64	-3.58	-3.58	-31.22
791	1.1	-1.93	-3.74	-3.74	-29.05
861	1.15	-2.18	-3.88	-3.88	-24.68
930	1.22	-2.8	-3.95	-4	-20.46
1000	1.35	-3.95	-4.26	-4.37	-16.59

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