

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	27	~	32	GHz
IL		0.8		dB
Isolation		17		dB
VSWR		1.3	1.45	

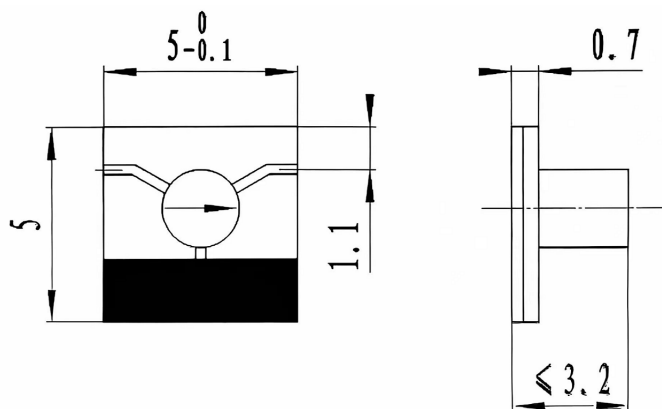
Other parameters

Forward Power	5W Design assurance
Reflected power	1W Design assurance
Direction	Clockwise
Connector	Microstrip pad
Impedance	50Ω
Operation Temp.	-40~+85°C Design assurance
Other	Wire bond

Reference picture



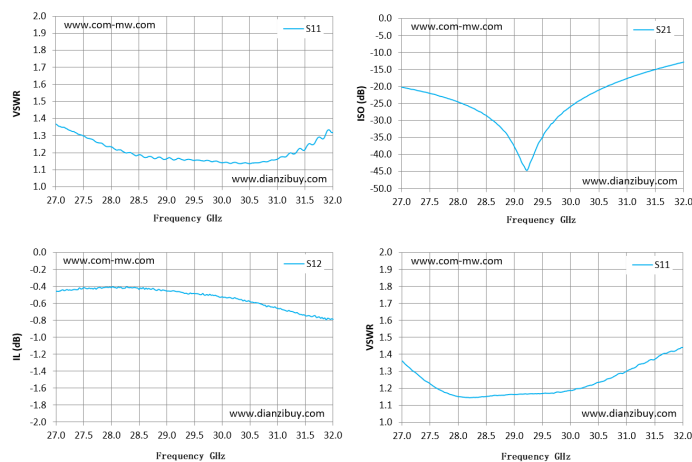
Configuration(mm)



Typical test data

Frequency GHz	S11 VSWR	S12 IL (dB)	S21 ISO (dB)	S11 VSWR
27	1.37	-0.46	-20.15	1.36
27.36	1.32	-0.44	-21.37	1.26
27.71	1.27	-0.42	-22.87	1.19
28.07	1.22	-0.41	-24.84	1.15
28.43	1.18	-0.41	-27.73	1.15
28.79	1.16	-0.43	-32.35	1.16
29.14	1.16	-0.45	-42.24	1.17
29.5	1.15	-0.49	-34.79	1.17
29.86	1.15	-0.51	-27.77	1.18
30.21	1.14	-0.54	-23.62	1.2
30.57	1.14	-0.59	-20.56	1.24
30.93	1.16	-0.65	-18.05	1.29
31.29	1.19	-0.7	-16.04	1.34
31.64	1.25	-0.76	-14.38	1.4
32	1.32	-0.79	-12.76	1.44

Typical test curve



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

Note

The installation surface is flat, and the grounding is good. The isolator and circulator are unidirectional devices, so pay attention to the signal direction of input and output ports. Isolators and circulator are magnetic devices, Please use stainless steel screws to fix them, It is forbidden to use steel screws, It is forbidden to install the devices on the steel shell. They are installed in the same assembly with other devices with permanent magnets or other isolators, Please keep the distance between the devices greater than 1cm, otherwise the electrical performance of the product may be affected. If the overall temperature of the product is greater than 100 °C, please negotiate with us before placing an order. Clean the surface of the product, do not immerse the product in cleaning solution for cleaning. The isolator and circulator should be stored separately for a long time, Please store them in a moisture-proof box with humidity less than 25%.