

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.02	~	24000	MHz
Attenuation range	0.5	~	31.5	dB
IL		4	4.5	dB
VSWR		2	2.5	
0.5dB Accuracy	0.3	0.5	0.8	dB
1dB Accuracy	0.5	1	1.5	dB
2dB Accuracy	1.2	2	2.8	dB
4dB Accuracy	3	4	5	dB
8dB Accuracy	6.5	8	9.5	dB
16dB Accuracy	14.5	16	17.5	dB

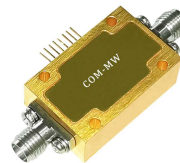
Other parameters

step	0.5dB
Power Capacity	0.2W
Impedance	50Ω
Connector	SMA-F Detachable, Pin 0.38mm
Connector material	Stainless steel
Surface	Gold-plating
Working voltage	-5V
Working current	50mA
Operation Temp.	-40~+85°C Design assurance
Other	TTL Control

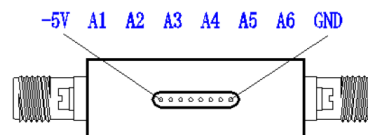
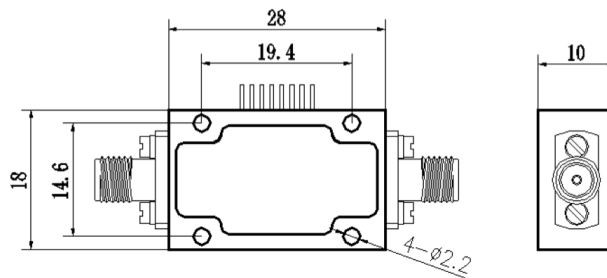
Truth table

Attenuation	A6	A5	A4	A3	A2	A1
Through	0	0	0	0	0	0
0.5dB	0	0	0	0	0	1
1dB	0	0	0	0	1	0
2dB	0	0	0	1	0	0
4dB	0	0	1	0	0	0
8dB	0	1	0	0	0	0
16dB	1	0	0	0	0	0

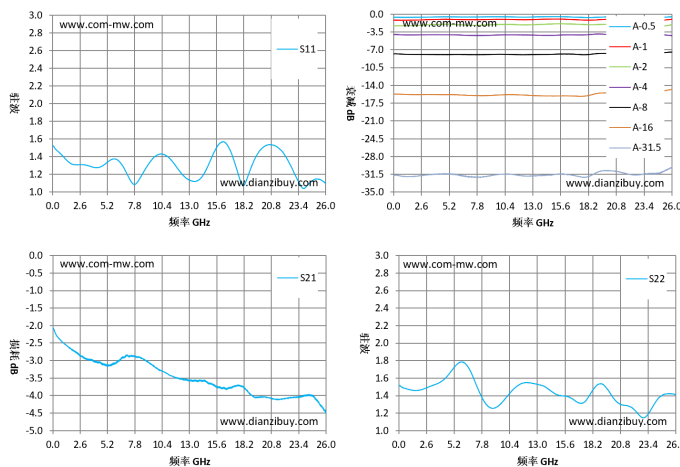
Reference picture



Configuration(mm)



Typical test curve



Note

1. Clean the surface of the product, do not soak the product in cleaning solution for cleaning;
2. Pay attention to anti-static during installation or storage;
3. If the overall temperature is greater than 125 °C, please consult with us before placing an order.

Typical test data

Frequency(GHz)	AT T- 0.5 dB	AT T- 1d B	AT T- 2d B	AT T- 4 dB	AT T- 8d B	AT T- 16 dB	AT T- 31. 5 dB
0.01	-0. 62	-1. 19	-2. 3	-4. 03	-7. 81	-1 5.7 9	-31 .74
2	-0. 63	-1. 18	-2. 24	-4. 09	-7. 92	-1 5.8 4	-31 .9
4	-0. 56	-1. 06	-2. 02	-4. 05	-7. 95	-1 5.8 3	-31 .48
6	-0. 56	-1. 07	-2. 08	-4. 1	-7. 93	-1 5.8 7	-31 .59
9	-0. 54	-1. 06	-2. 11	-4. 17	-7. 94	-1 6.0 1	-31 .82
13	-0. 57	-1. 08	-2. 1	-4. 13	-7. 96	-1 6.0 1	-31 .85
17	-0. 6	-1. 1	-1. 98	-4. 09	-7. 9	-1 6.1 2	-31 .8
20	-0. 55	-1. 03	-2	-3. 98	-7. 72	-1 5.5	-30 .78
24	-0. 64	-1. 25	-2. 4	-4. 11	-7. 64	-1 5.3 5	-31 .39
26	-0. 52	-1. 01	-2. 1	-4. 23	-7. 48	-1 4.7 9	-30 .13

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