

Product features

Broadband, low noise, input limiting protection

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	32	~	40	GHz
Gain	22			dB
Gain flatness			± 1.3	dB
Noise figure			4.2	dB
VSWR			1.8	
P-1dB	13			dBm
Max input power	2			W

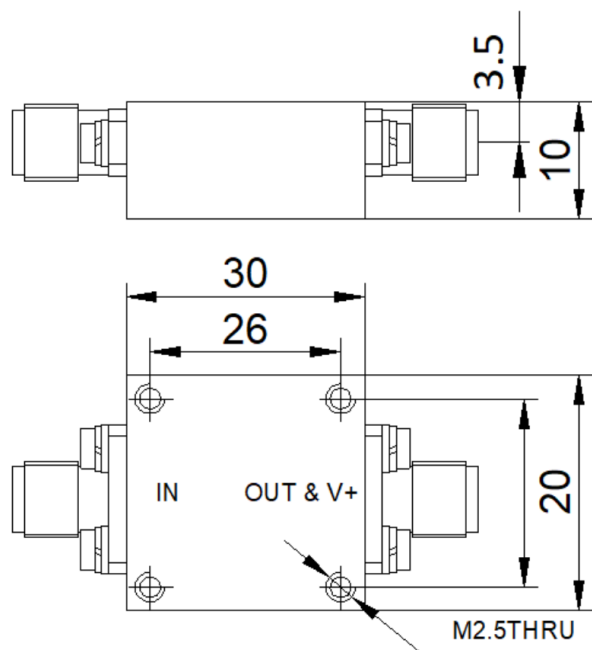
Other parameters

Connector	2.92-K
Connector material	Stainless steel
Impedance	50 Ω
Surface	White
Working voltage	+12V
Working current	100mA
Operation Temp.	-40~+70°C
Storage Temp.	-50~+85°C
Power supply method	RF output feed, limiting amplifier

Reference picture



Configuration(mm)

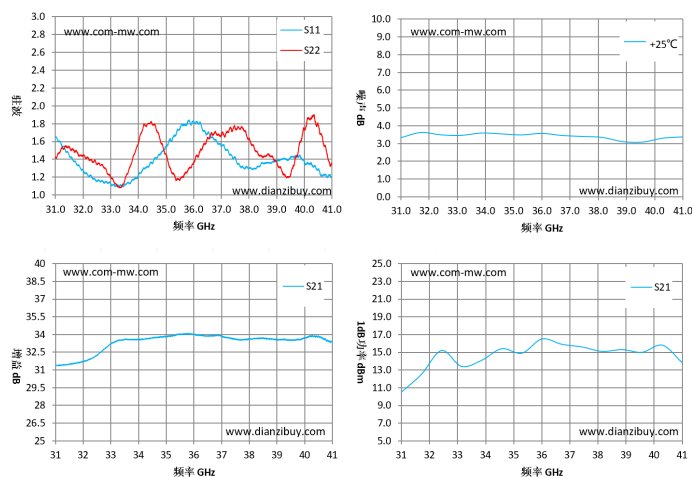


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency(GHz)	S11 VSW R	S22 VSW R	S21 gai n	S21 Nois e	S21 P- 1dB
31	1.65	1.43	31.4 5	3.33	10.5
31.71	1.37	1.48	31.5 8	3.62	12.5
32.43	1.18	1.39	32.1 6	3.48	15.2
33.14	1.11	1.14	33.3 9	3.46	13.4
33.86	1.18	1.46	33.5 6	3.59	14.1
34.57	1.39	1.79	33.7 3	3.54	15.4
35.29	1.66	1.23	33.9	3.48	14.9
36	1.82	1.36	34.0 1	3.57	16.5
36.71	1.64	1.67	33.9	3.45	15.9
37.43	1.4	1.74	33.6 4	3.4	15.6
38.14	1.28	1.56	33.6 5	3.34	15.1
38.86	1.37	1.43	33.6 1	3.1	15.3
39.57	1.43	1.29	33.5 3	3.07	15
40.29	1.33	1.88	33.8 8	3.3	15.8
41	1.2	1.36	33.3 8	3.37	13.8

Typical test curve



Note

Store in an environment with a humidity of less than 25% and pay attention to dust and static electricity prevention.