

Product features

Broadband, high reliability.

Tech specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	3000	MHz
Gain	30			dB
Gain flatness		± 1.2		dB
Input VSWR			1.8	
Output VSWR			2.5	30~500MHz
Output VSWR			1.9	500~3000MHz
P-1dB		29		dBm
Psat		30		dBm
NF		4.4	5	dB
Harmonic Rejection	15			dBc
Spurious suppression		75		dBc
OIP3	30			dBm
Maximum input RF power			10	dBm

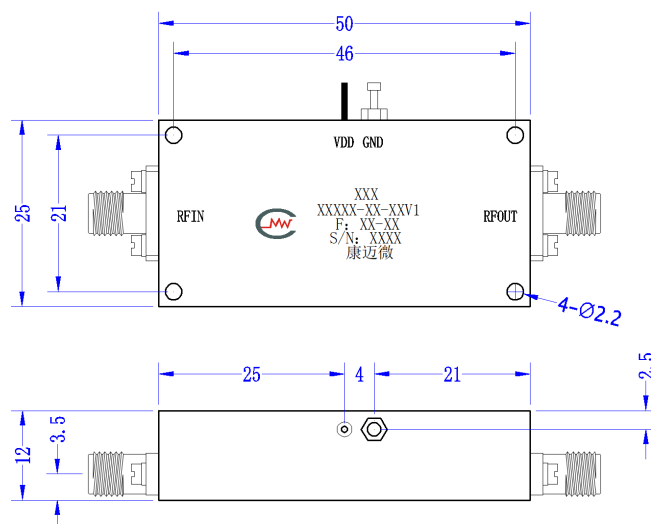
Environmental

Connector	SMA-K
Connector material	Stainless steel
Impedance	50 Ω
Surface	Conductive oxidation
Working voltage	+12V
Working current	600mA
Operation Temp.	-45~+80°C Design assurance

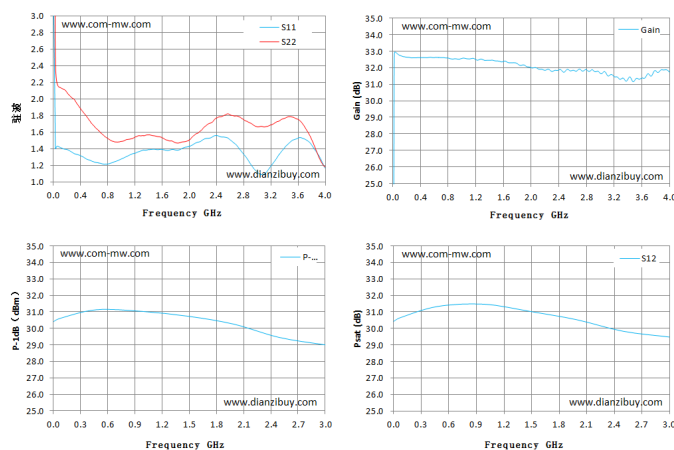
Reference picture



Configuration



Typical test curve



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

Typical test data

Frequency(MHz)	3000000	1000000	500000	100000	10000	2000	200	30
S11 VSWR	1.42	1.17	1.18	1.14	1.14	1.13	1.15	1.12
S22 VSWR	2.41	2.17	1.74	1.49	1.56	1.51	1.85	1.77
Gain (dB)	32.95	31.76	31.61	31.56	31.44	31.2	31.8	31.65
P-1dB Out (dBm)	30.4	30.6	30.1	30.0	30.7	30.2	29.4	29.9
POut sat (dBm)	30.43	30.65	30.3	30.47	30.03	30.53	29.83	29.8
harmonic rejection (2nd)	23.69	22.98	22.1	22.48	22.3	21.87	21.87	21.9
harmonic rejection (3rd)	15.55	12.8	12.7	11.72	11.88	11.9	12.35	13.75
Spurious suppression	80	81	81	80	80	80	80	80
OIP3 (dBm)	44	40	38	36	33	32	30	30

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