Product features

Coupled detection module

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	2	GHz
Main line insertion loss			1	dB
Power	20	~	40	dBm
Coupling	20			dB
Directivity	20			dB
Main line VSWR			1.5	
Detection accuracy			1	dB

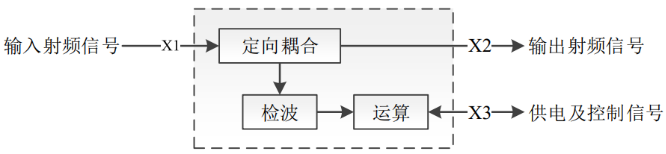
Other parameters

Connector	SMA-K
Impedance	50Ω
Surface	Conductive oxidation
Operation Temp.	-40~+60℃
脉冲体制	单载频脉冲波形1、脉冲宽度:0.3us~2us；2、重复频率:0.1kHz~1kHz
脉冲体制	线性调频波形1、脉冲宽度:1us~1000us；2、瞬时带宽:1MHz~50MHz3、重复频率:50Hz~1kHz
连续波体制	1、连续波2、三角调频连续波，带宽 50MHz3、相位编码波形，码元宽度 0.02us
RF signal description	频率范围实际上包含了射频信号的带宽，比如信号带宽为 500MHz时，在 8~18GHz 频段内，载频最小为 7.25GHz，最大为 17.75GHz

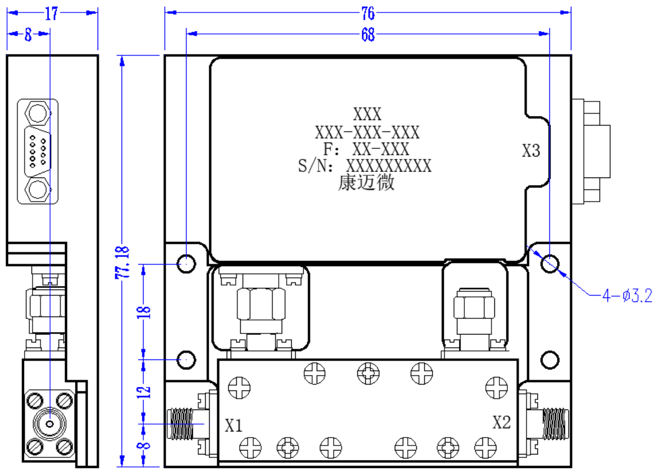
Port Description

端口号	Name	Socket model	Illustrate
X1	Input RF	SMA-K	
X2	Output RF signal	SMA-K	The output signal is on the same frequency as X1
X3	Output RF signal	J30J-9ZKP	直流电源输入、信号波形参数（频率、脉宽、重频等）输入和功率数值输出

Functional Block Diagram



Configuration(mm)



Pin definition (J30J-ZKP): The communication interface is RS485, with a baud rate of 9600 and 8 bits, no checksum, and a message format of MODBUS RTU.

Pin number	1	2	3	4	5	6	7	8	9
Pin Definition	485-A	485-B	+12V	GND	Reserve	Reserve	Reserve	Reserve	Reserve

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.

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