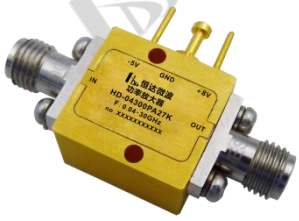
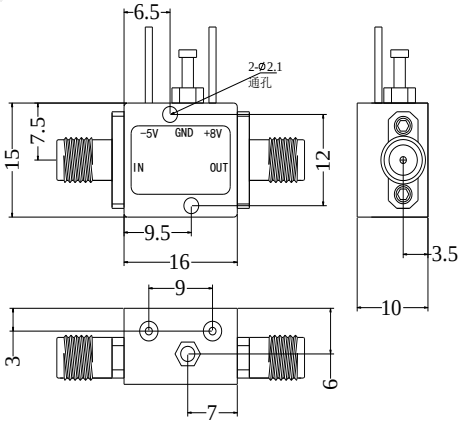
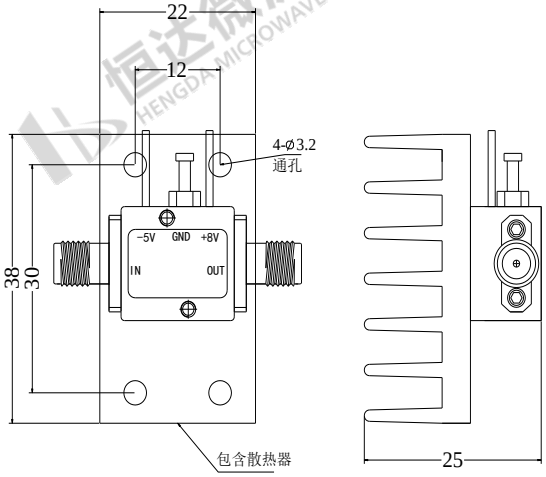
产品名称：功率放大器

产品型号：HD-04300PA27K







注：操作过程中需装配散热器(需另外购买)

1. 详细技术参数（*为主要参数）

参　　数	最小值	典型值	最大值	最小值	典型值	最大值	最小值	典型值	最大值	单位
频率范围*	0.04		18	18		26	26		30	GHz
增益*		15			13			10		dB
增益平坦度		±0.5			±0.5			±1.0		dB
增益随温度变化系数		±0.5			±0.5			±0.5		dB
输入驻波比		1.5			1.6			1.9		: 1
输出驻波比		1.5			1.5			1.3		: 1
1dB压缩点	22	25		20	24		20	23		dBm
饱和输出功率		27			26			25		dBm
工作电流		230			230			230		mA
隔离度		-30			-25			-25		dB
重量	9.92									g
匹配阻抗	50									Ω
输入输出连接头	2.92mm-Female									
腔体材料	铝									
表面处理	镀金									
封装形式	气密封装									

2. 额定参数与环境

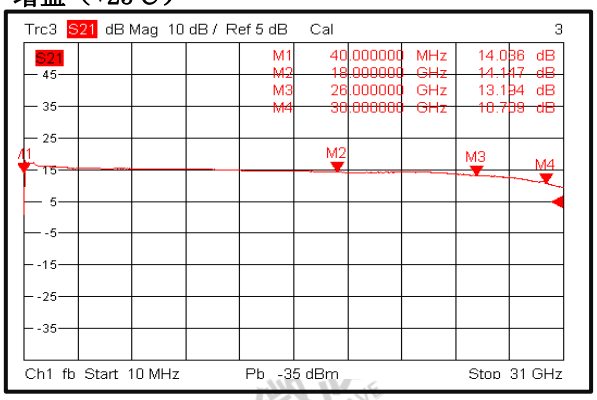
工作电压	+10V
抗烧毁最大输入功率	+20dBm
工作温度	-45°C~+85°C
存储温度	-55°C~+125°C
海拔高度	762米（环氧树脂密封条件）
	1524米.最小1个标准大气压(气密封装条件)(可选)

3. 操作流程

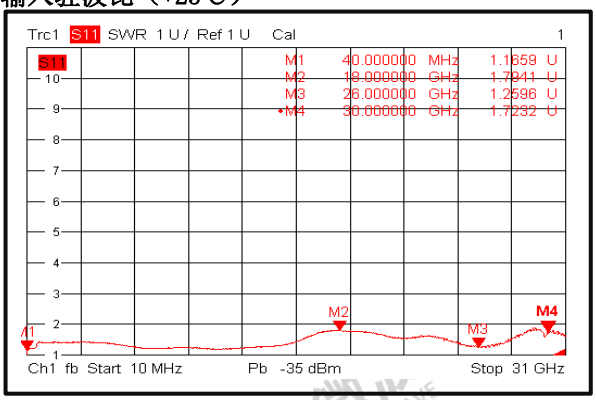
启动		关断	
步骤1	连接接地柱	步骤1	断开+8V偏置电压
步骤2	连接输入和输出连接头	步骤2	断开-5V偏置电压
步骤3	连接-5V偏置电压	步骤3	断开输入和输出连接头
步骤4	连接+8V偏置电压	步骤4	断开接地柱

4. 产品测试图

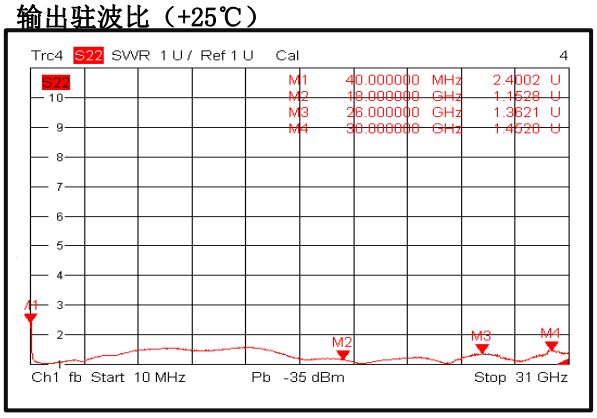
增益（+25℃）



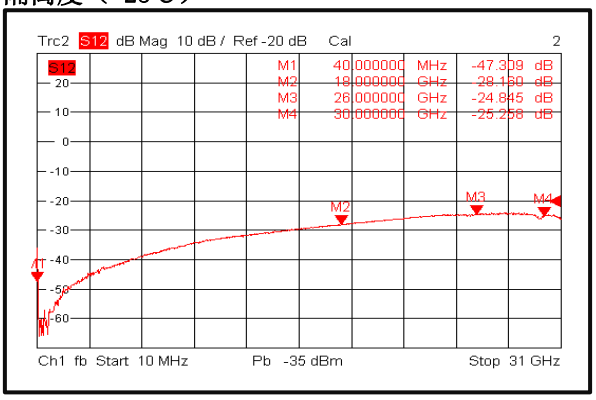
输入驻波比（+25℃）



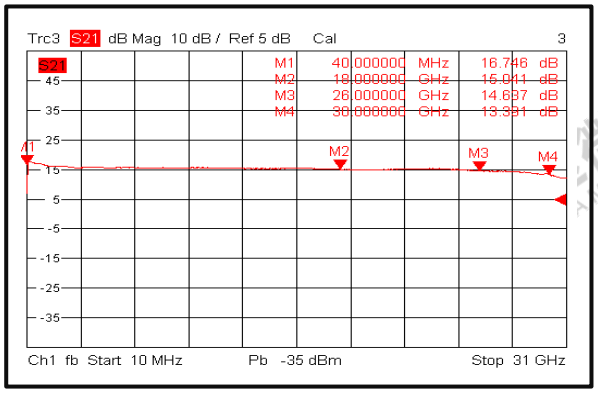
输出驻波比（+25℃）



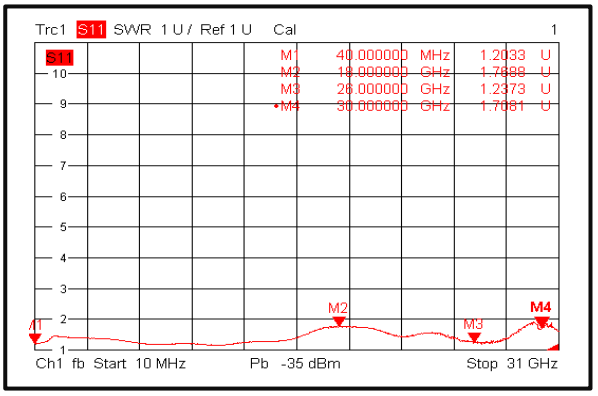
隔离度（+25℃）



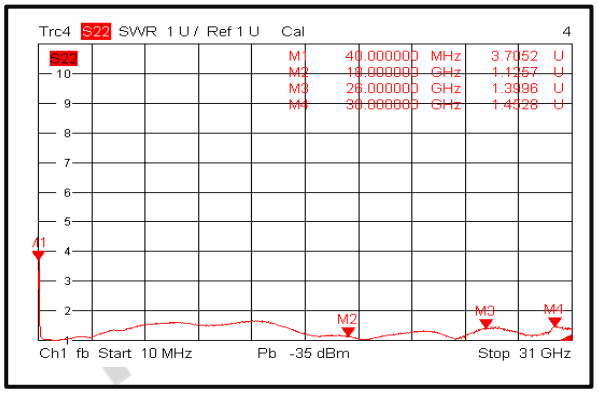
增益（-45℃）



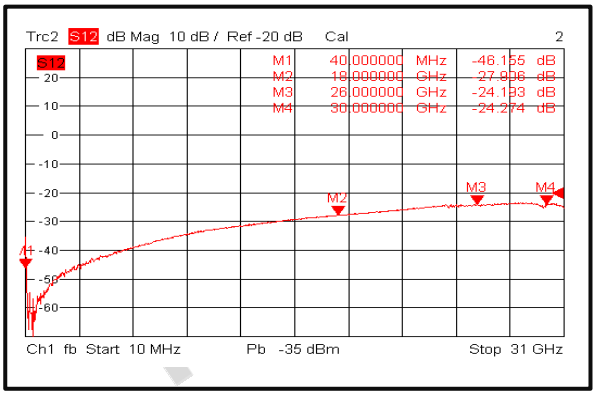
输入驻波比（-45℃）



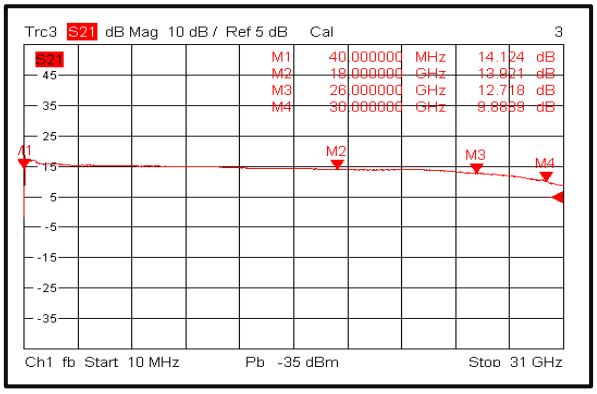
输出驻波比（-45℃）



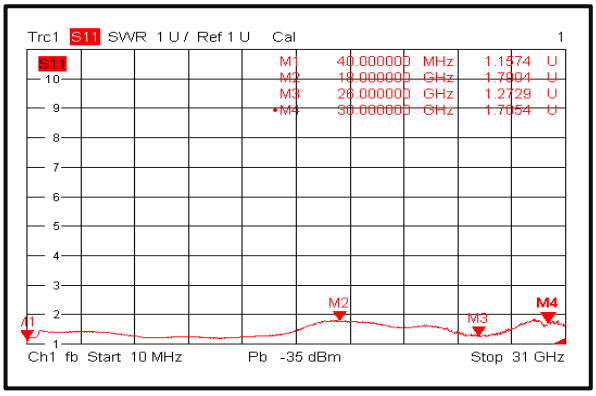
隔离度（-45℃）



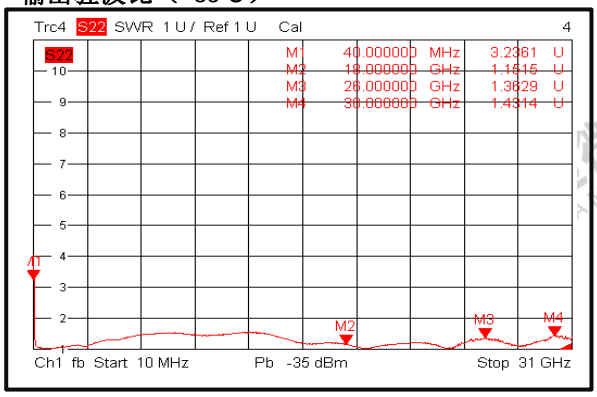
增益（+85℃）



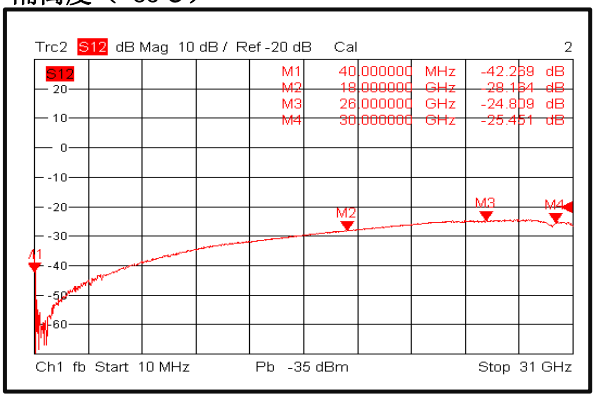
输入驻波比（+85℃）



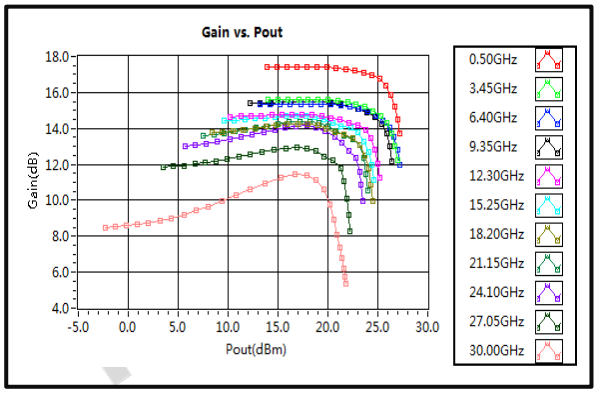
输出驻波比（+85℃）



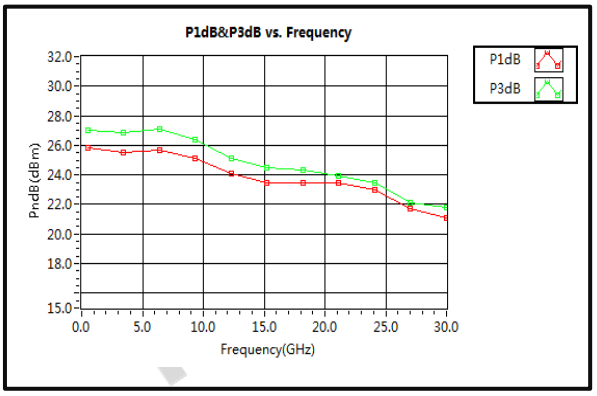
隔离度（+85℃）



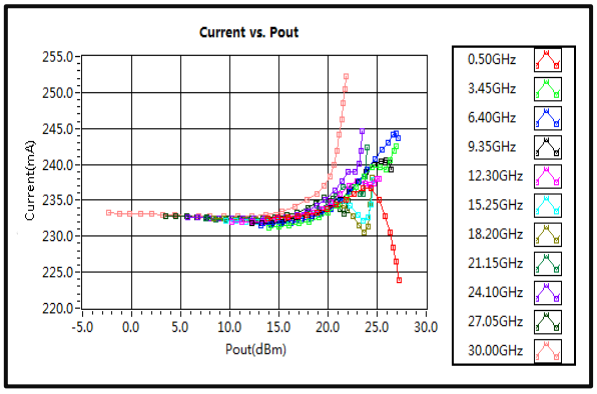
增益与输出功率比



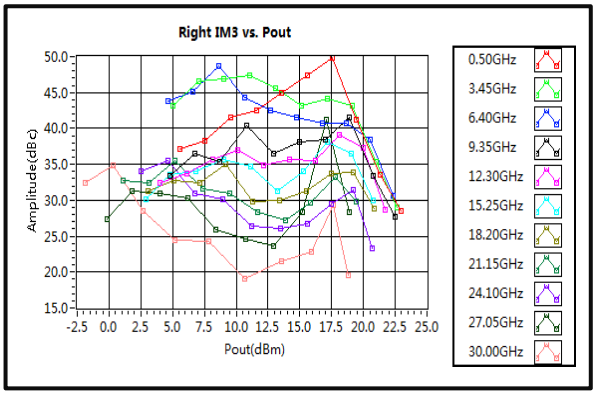
P1dB & P3dB/频率



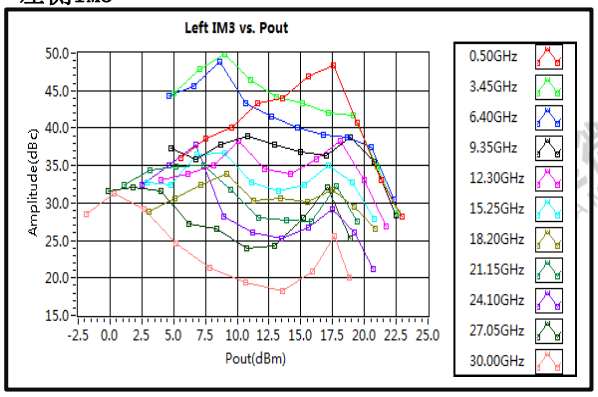
电流



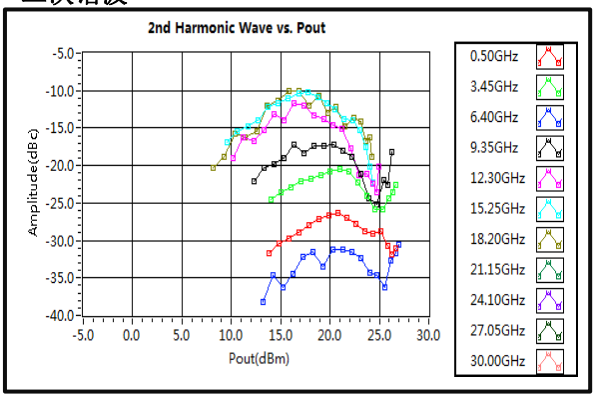
右侧IM3



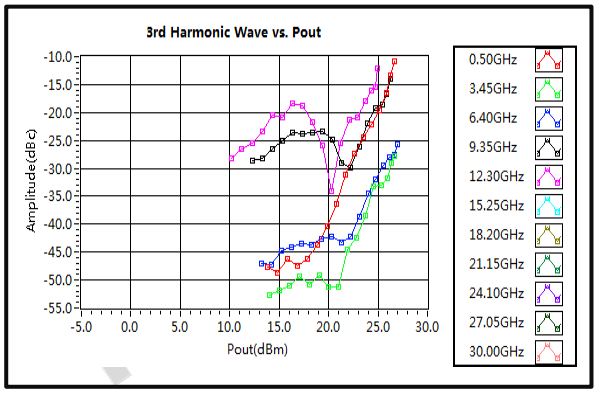
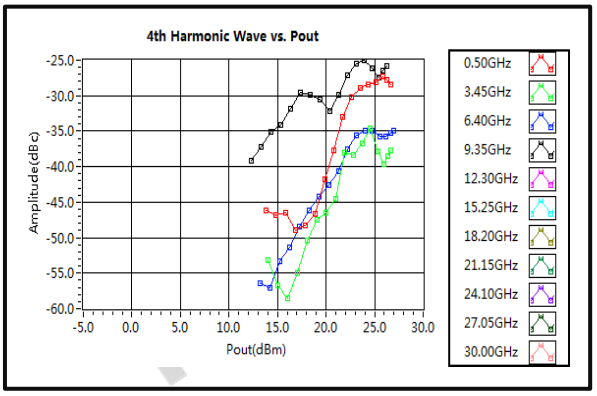
左侧IM3



二次谐波



三次谐波



四次谐波