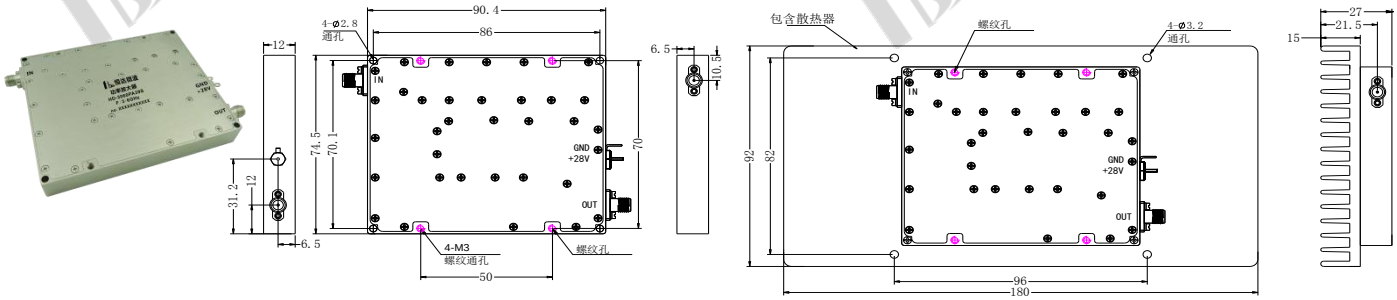
产品名称：功率放大器

产品型号：HD-3060PA39S



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	单位
频率范围*	0.7		3	3		6	GHz
增益*	38	40		37	40		dB
增益平坦度		±1.5			±1.5		dB
增益随温度变化系数		±1.0			±1.0		dB
输入驻波比		1.6			1.6		：1
1dB压缩点	35	37		35	37		dBm
饱和输出功率		39			39		dBm
隔离度		-55			-55		dB
工作电流		650	1500		650	1500	mA
漏极效率		20			20		%
重量	180.02						g
匹配阻抗	50						Ω
输入输出连接头	SMA-Female						
腔体材料	铝						
表面处理	镀镍						
封装形式	环氧树脂密封（标准）						
	气密封装(可选项)						

2. 额定参数与环境

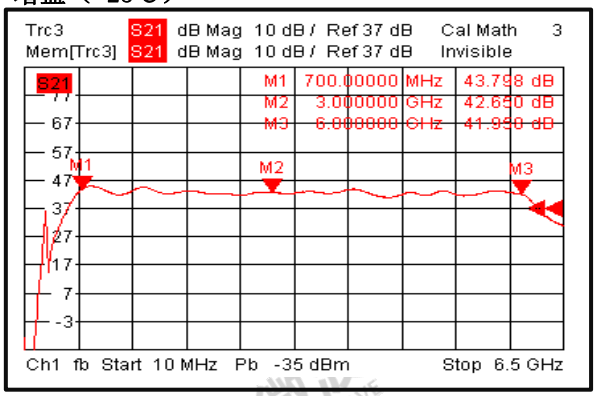
工作电压	+24~29V
抗烧毁最大输入功率	+8 dBm
工作温度	-45°C~+85°C
存储温度	-55°C~+125°C
海拔高度	762米（环氧树脂密封条件）
	1524米. 最小1个标准大气压(气密封装条件)(可选)

3. 操作流程

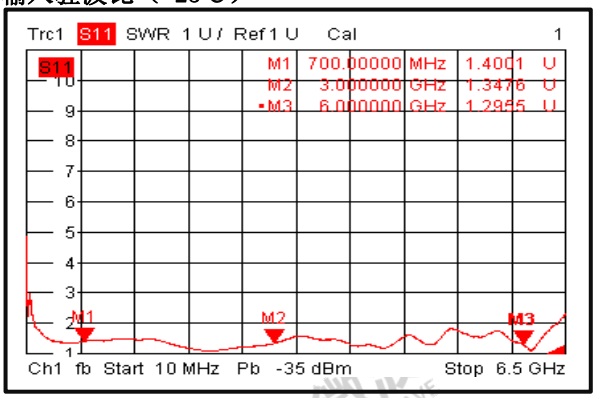
启动		关断	
步骤1	连接接地柱	步骤1	断开+28V偏置电压
步骤2	连接输入和输出连接头	步骤2	断开输入和输出连接头
步骤3	连接+28V偏置电压	步骤3	断开接地柱

4. 产品测试图

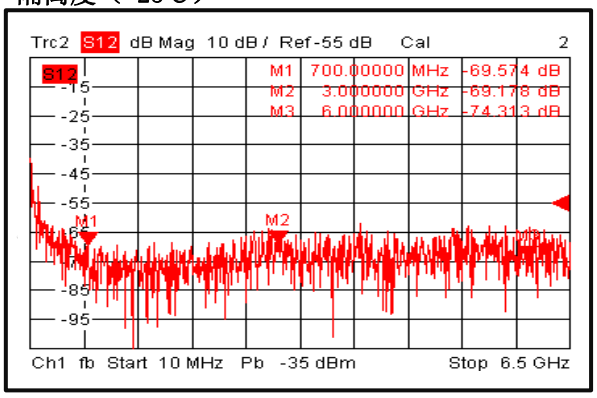
增益（+25℃）



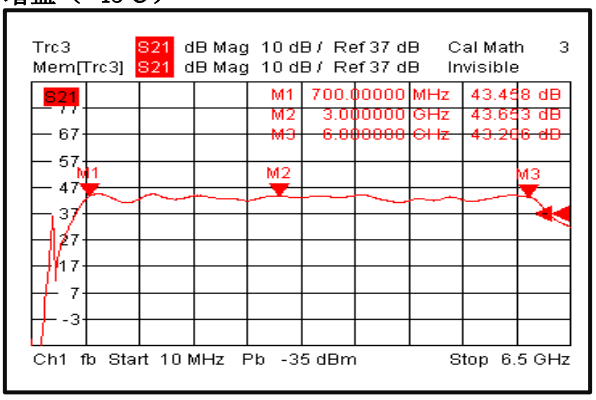
输入驻波比（+25℃）



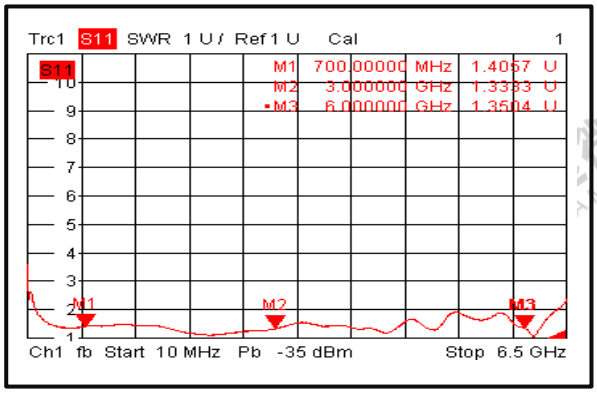
隔离度（+25℃）



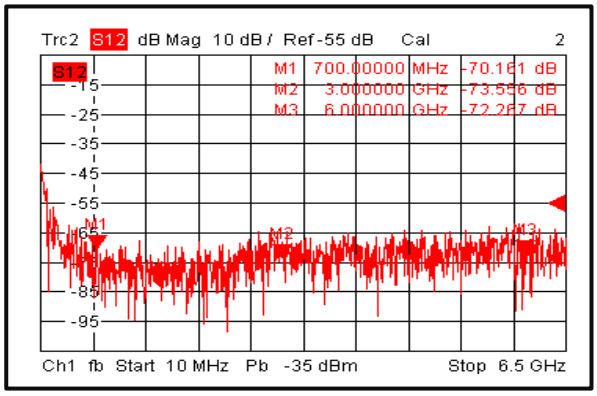
增益（-45℃）



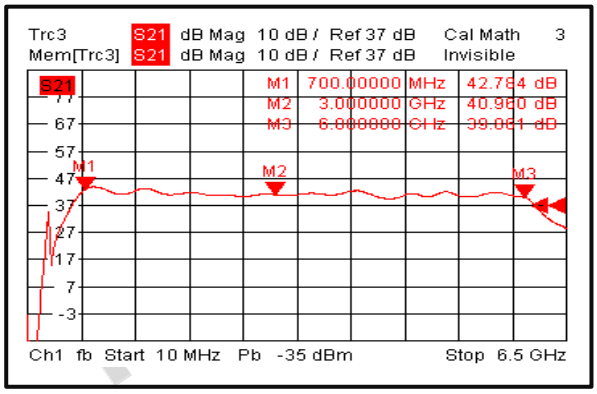
输入驻波比（-45℃）



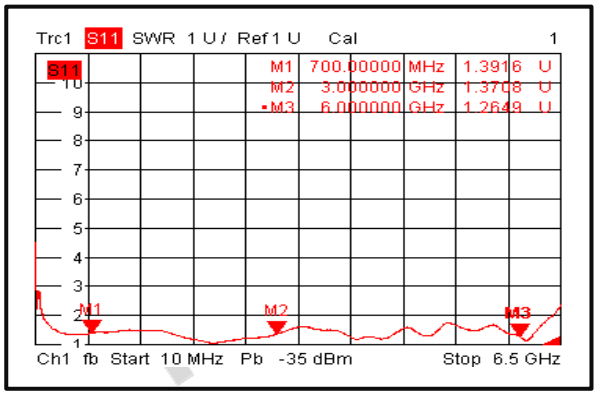
隔离度（-45℃）



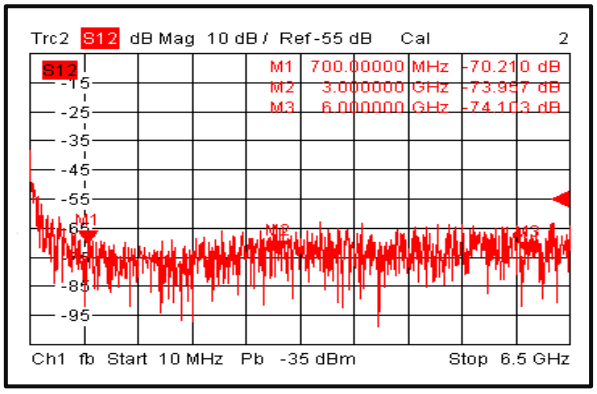
增益（+85℃）



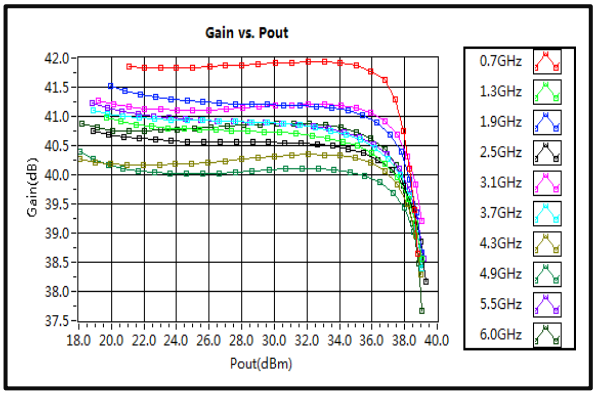
输入驻波比（+85℃）



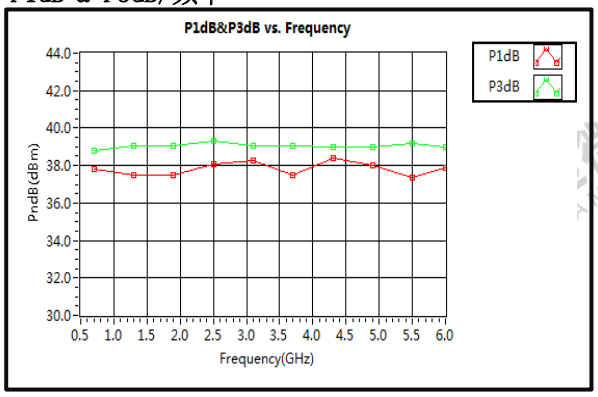
隔离度（+85℃）



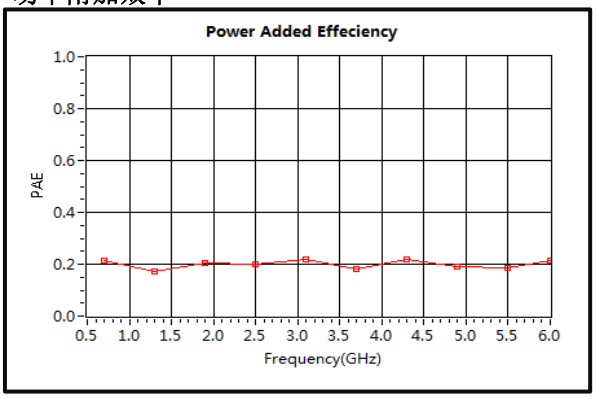
增益与输出功率比



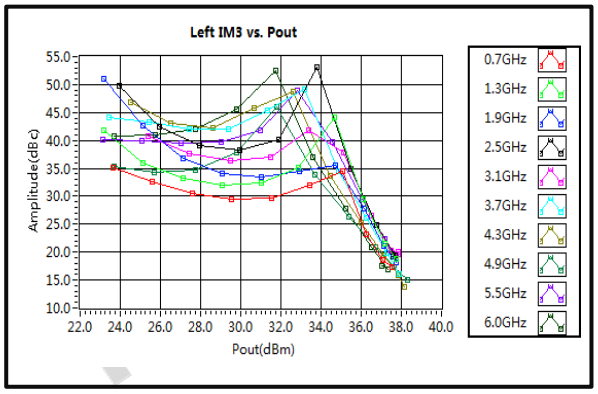
P1dB & P3dB/频率



功率附加效率



左侧IM3



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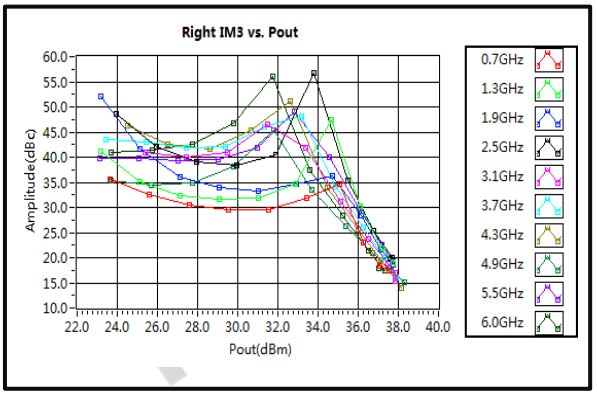
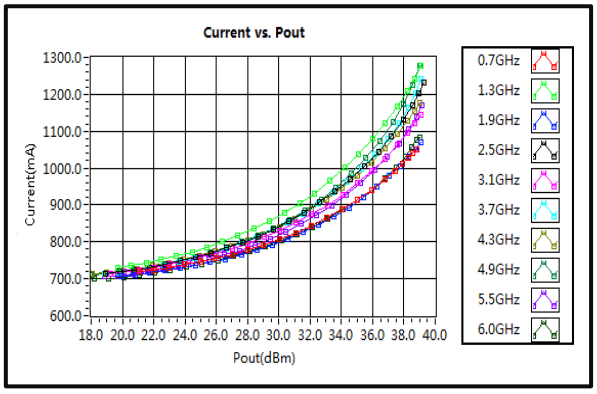
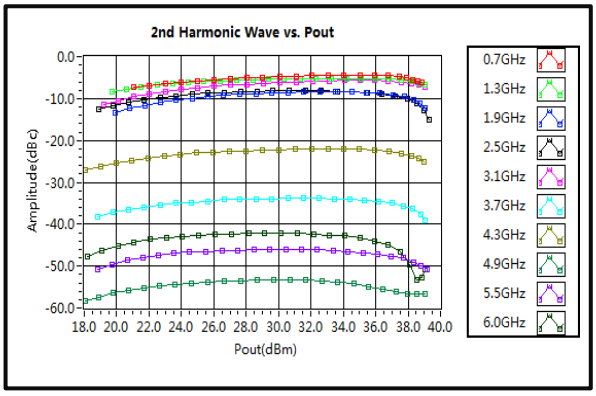


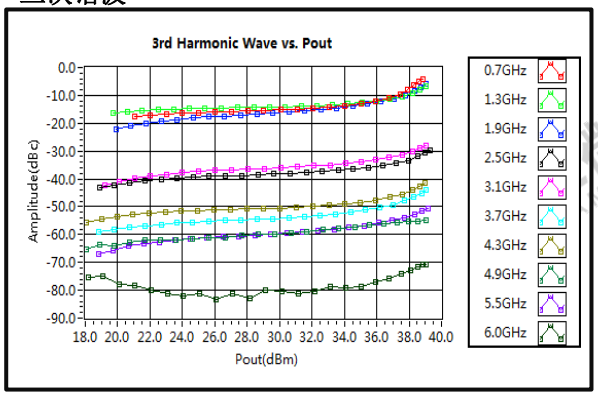
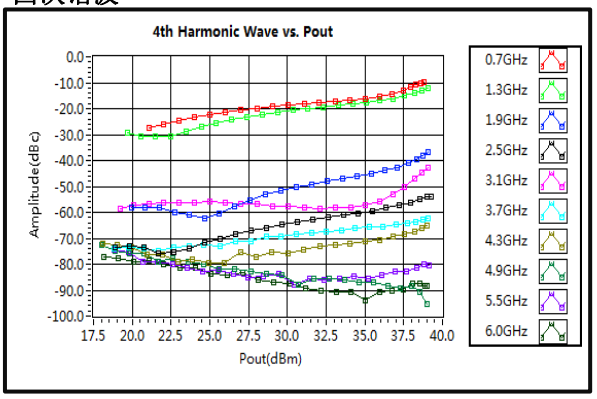
电流



二次谐波



三次谐波



四次谐波