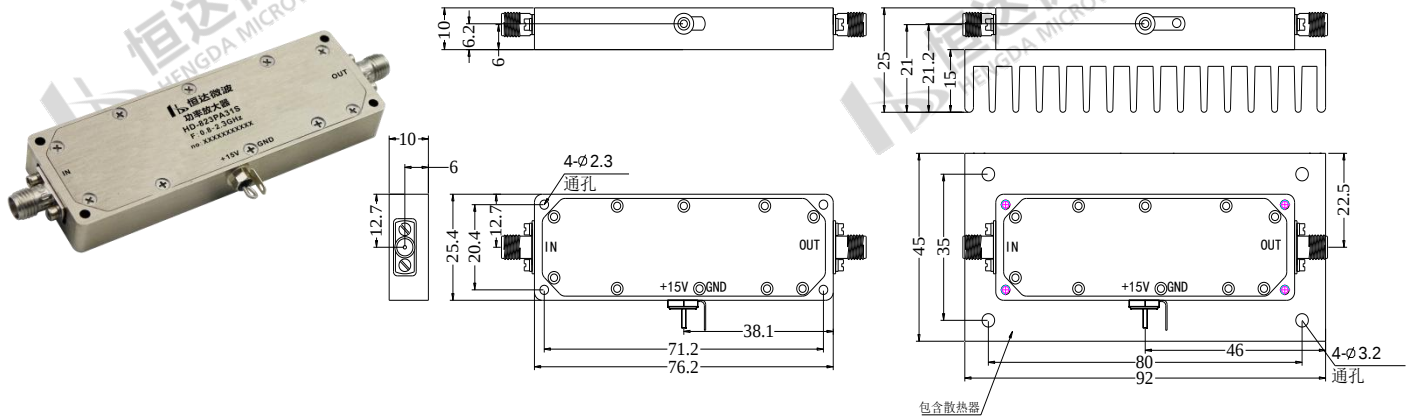


产品名称：功率放大器

产品型号：HD-823PA31S



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	单位
频率范围*	0.8		2.3	GHz
增益*	29	31		dB
增益平坦度		±0.8	±1.5	dB
增益随温度变化系数		±1.0		dB
输入驻波比		1.6	2.0	:1
1dB压缩点	30	31		dBm
饱和输出功率		33		dBm
隔离度		-60		dB
工作电压		500	800	mA
重量	49.90			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			

2. 额定参数与环境

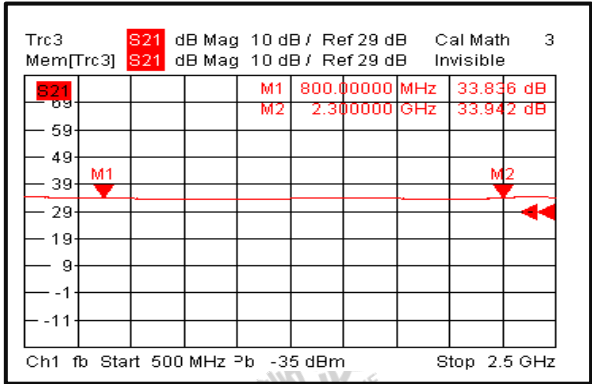
工作电压	+15V +/-10%
抗烧毁最大输入功率	+18dBm
工作温度	-45° C~+85° C
存储温度	-55° C~+125° C
海拔高度	762米（环氧树脂密封条件）
	1524米. 最小1个标准大气压（气密封装条件）（可选）

3. 操作流程

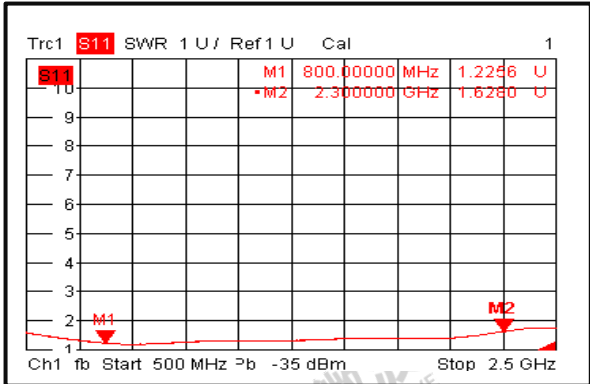
启动		关断	
步骤1	连接接地柱	步骤1	断开+15V偏置电压
步骤2	连接输入和输出连接头	步骤2	断开输入和输出连接头
步骤3	连接+15V偏置电压	步骤3	断开接地柱

4. 产品测试图

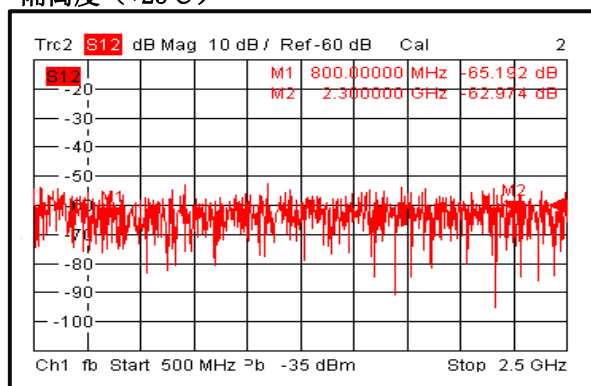
增益（+25℃）



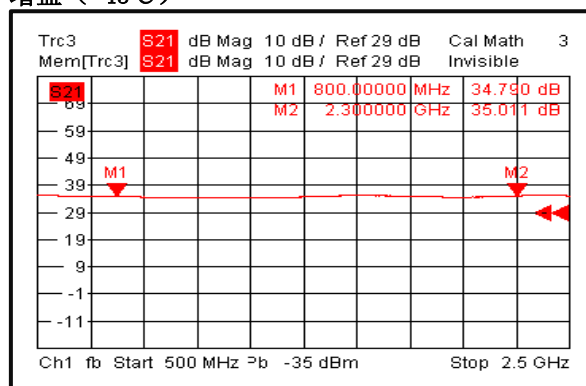
输入驻波比（+25℃）



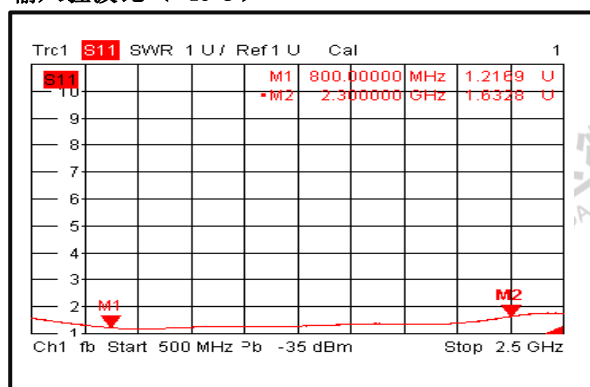
隔离度 (+25℃)



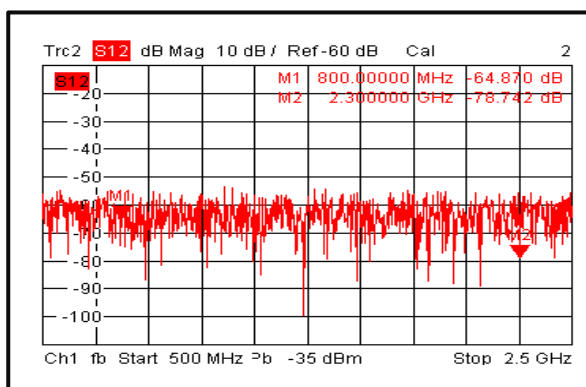
增益 (-45℃)



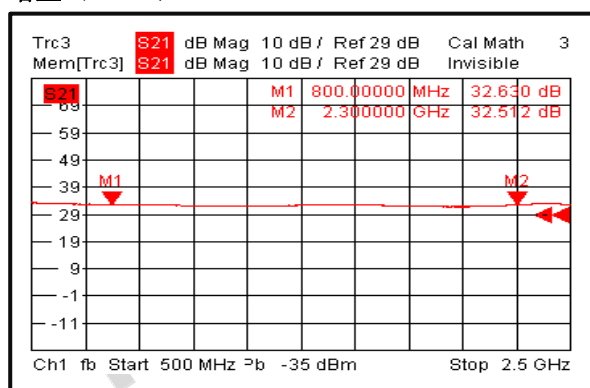
输入驻波比 (-45℃)



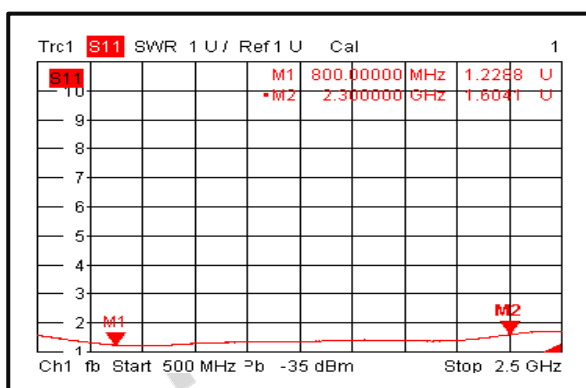
隔离度 (-45℃)



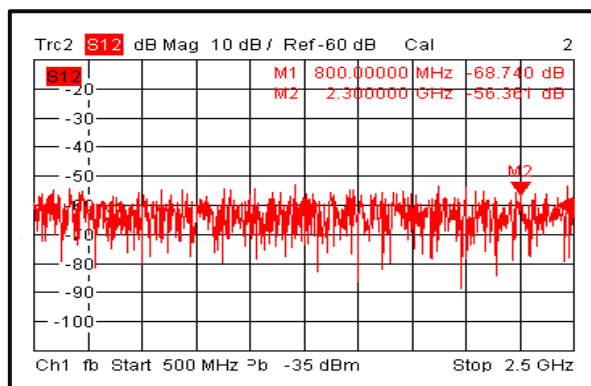
增益 (+85℃)



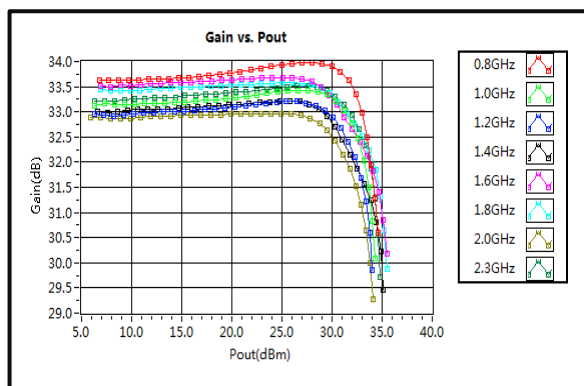
输入驻波比 (+85℃)



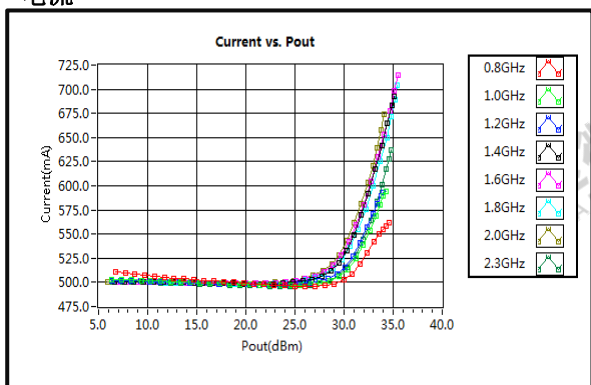
隔离度 (+85℃)



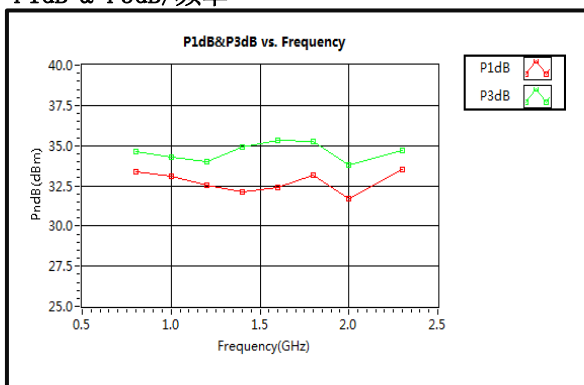
增益与输出功率比



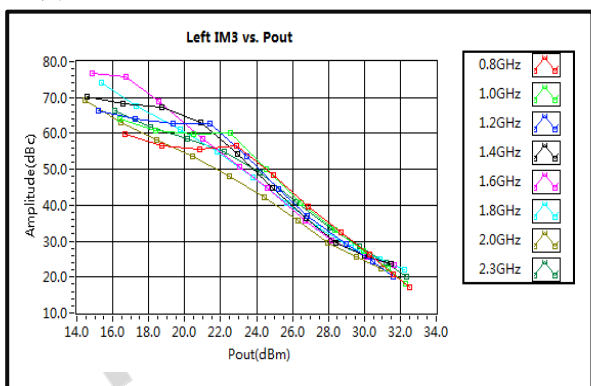
电流



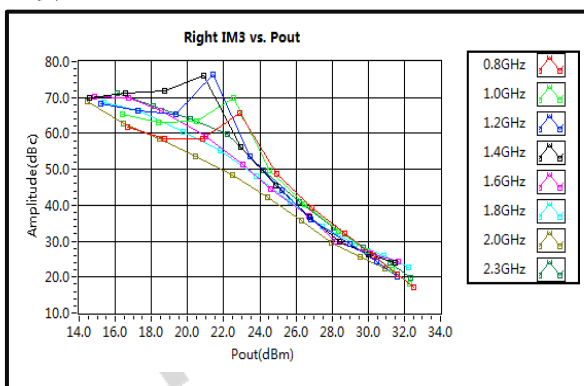
P1dB & P3dB/频率



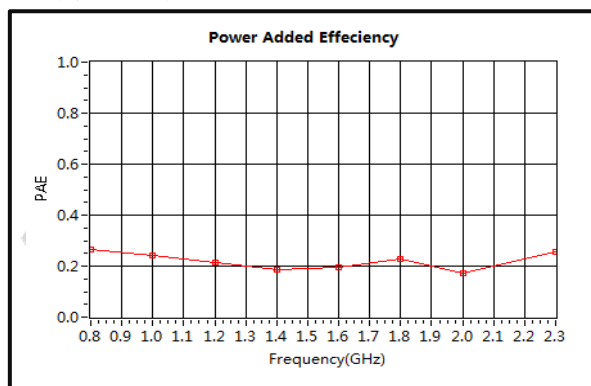
左侧IM3



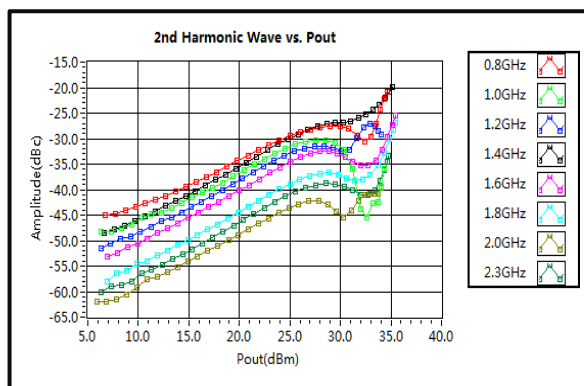
右侧IM3



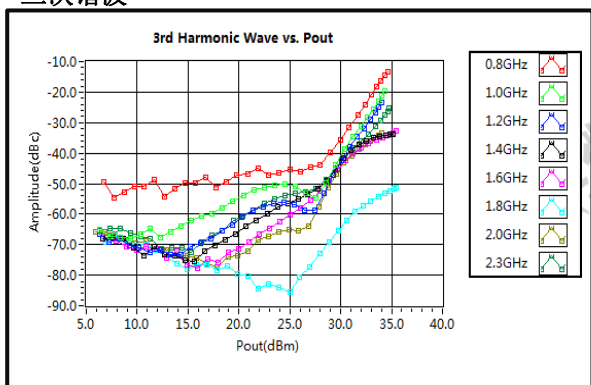
功率附加效率



二次谐波



三次谐波



四次谐波

