

NOTES:UNLESS OTHERWISE SPECIFIED  
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REVISION HISTORY					
ZONE	REV	DESCRIPTION	E.C.O.NO	DATE	APPROVED
	1	ENGINEERING RELEASE			

## LAP-8005

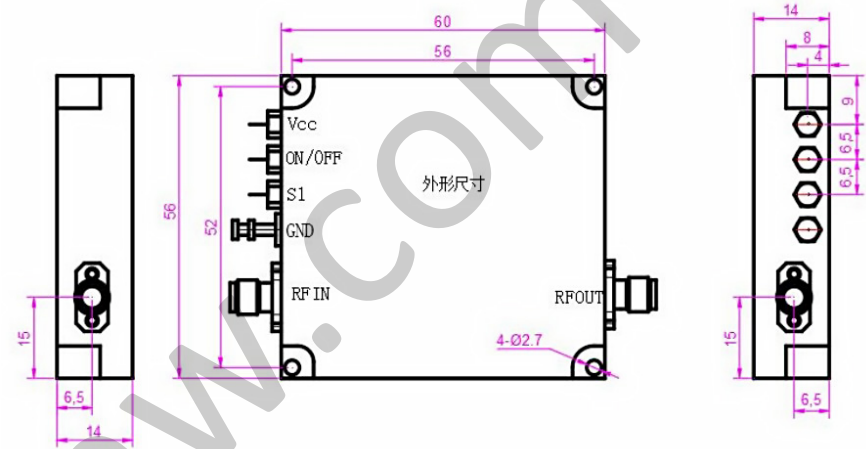
8.0 – 12.0 GHz 功率放大器 Power Amplifier

### —电气技术参数 Electrical Specifications—

频率范围 Frequency Range:	8.0 – 12.0 GHz
输入功率 Input Power:	0±2dB
增益 Gain:	≥45dB
增益平坦度 Gain Flatness:	≤±2dB
输出功率 Output Power:	≥40dBm
最大输入功率 Maximum Input Power:	13dBm
谐波 Harmonic :	≤-12dBc@P0:40dBm
杂散 Spurious:	≤-60dBc
输入驻波 Input VSWR:	≤1.8
输出驻波 Output VSWR:	≤2.0
直流偏置电压 DC Power Supply:	+28V
直流偏置电流 DC Current Supply:	≤1.8A@P0:40dBm
工作温度 Operation Temperature:	-40~+60 C
存储温度 Storage Temperature:	-55~+85 C

### —机械技术参数 Mechanical Specifications—

输入连接器 Input Interface:	SMA-50KF
输出连接器 Output Interface:	SMA-50KF
电源及控制接口 Power&Control Interface:	穿心电容
尺寸 Size (excluding connectors):	≤60x56x14 mm
重量 Weight:	≤300g



#### 组成:

该功放主要由功率放大单元、定向耦合及检波比较电路组成。整机提供正压: +28V、模块内部具有负压保护、过温保护等设计。

#### 标准:

- GJB360A-1996 《电子及电气元件实验方法》
- GJB367A-2001 《军用通信设备通用规范》
- SJ20527-2003 《微波组件通用规范》

#### Control & PIN Definition:

PIN	Definition	Description
VCC	+28V	/
GND	GND	/
ON/OFF	电源控制	开启延时(含前沿)≤5uS、关断延时(含后沿)≤5uS;控制电平:TTL。TTL=H@功放打开, TTL=L@功放关断, 默认状态: L
S1	工作状态指示	TTL=H@正常

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER TOLERANCES ARE: DECIMALS ANGLES FRACTIONS .XX±0.03 ±1' ±2/5 .XXX±0.012			 www.lairmw.com sales@lairmw.com	P/N: LAP-8005														
	<table border="1"> <tr> <td>Approvals</td> <td>DATE</td> </tr> <tr> <td>DRWN</td> <td>24/9/23</td> </tr> <tr> <td>ENG</td> <td></td> </tr> <tr> <td>CHK</td> <td></td> </tr> <tr> <td>Q.A.</td> <td></td> </tr> </table>	Approvals		DATE	DRWN	24/9/23	ENG		CHK		Q.A.		8.0 - 12.0GHz 功率放大器 Power Amplifier 增益 Gain 45dB					
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