

NOTES:UNLESS OTHERWISE SPECIFIED
THIS IS A CAD GENERATED DRAWING,DO NOT REVISE MANUALLY

REVISION HISTORY					
ZONE	REV	DESCRIPTION	E.C.O.NO	DATE	APPROVED
	1	ENGINEERING RELEASE			

LAP-8007

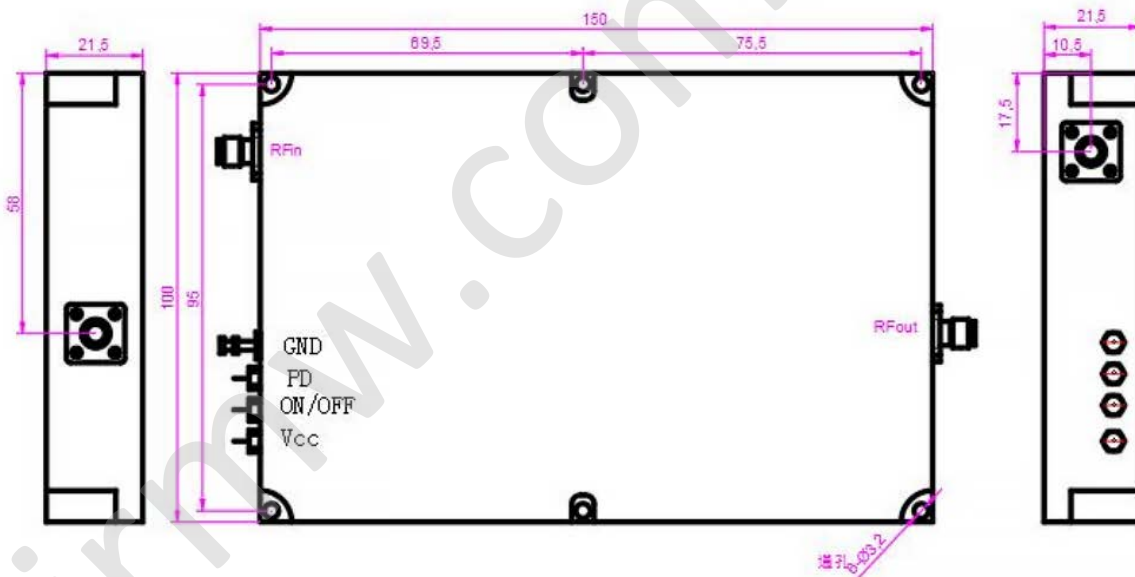
1.0 – 6.0 GHz 功率放大器 Power Amplifier

—电气技术参数 Electrical Specifications—

频率范围 Frequency Range:	1.0 – 6.0 GHz
输入功率 Input Power:	0dBm
增益 Gain:	43dB(Min)
增益平坦度 Gain Flatness:	±2.5dB(Max)
输出功率 Output Power:	43dBm(Min)
谐波 Harmonic :	≤-12dBc
杂散 Spurious:	≤-60dBc
输入驻波 Input VSWR:	≤2.0
输出驻波 Output VSWR:	≤2.0
直流偏置电压 DC Power Supply:	+12V
直流偏置电流 DC Current Supply:	≤7A@P0:43dBm
工作温度 Operation Temperature:	-30~+65 °C
存储温度 Storage Temperature:	-40~+70 °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):	≤150x100x21.5mm
重量 Weight:	≤1Kg



PIN	Definition	Description
VCC	+12V	-
GND	GND	-
PD	功率状态指示	1bit,TTL 电平; TTL=H@Po:≥36dBm, 低电平为告警电平
	工作状态指示	1bit,TTL 电平; TTL=H@告警: 当功放有超温、过压、过流等工作异常时送出故障告警电平并关断
ON/OFF	电源控制	1bit,TTL 电平;控制关系:高通低断; 默认电平:低电平;响应时间:≤2us(包括前后延)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER TOLERANCES ARE: DECIMALS ANGLES FRACTIONS .XX±0.03 ±1' ±2/5 .XXX±0.012			莱尔微波 Laird Microwave www.lairmw.com sales@lairmw.com	P/N: LAP-8007																												
	<table border="1"> <tr> <th>Approvals</th> <th>DATE</th> </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.		<table border="1"> <tr> <td colspan="4">1.0 - 6.0GHz 功率放大器 Power Amplifier 增益 Gain 43dB</td> </tr> <tr> <td>SIZE</td> <td>CAGE NO</td> <td>DWG NO.</td> <td>REV</td> </tr> <tr> <td>A3</td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>SCALE</td> <td>UNIT</td> <td colspan="2">SHEET 1 OF 1</td> </tr> <tr> <td>3:2</td> <td>mm</td> <td colspan="2"></td> </tr> </table>		1.0 - 6.0GHz 功率放大器 Power Amplifier 增益 Gain 43dB				SIZE	CAGE NO	DWG NO.	REV	A3			1	SCALE	UNIT	SHEET 1 OF 1		3:2	mm
Approvals	DATE																															
DRWN	24/9/23																															
ENG																																
CHK																																
Q.A.																																
1.0 - 6.0GHz 功率放大器 Power Amplifier 增益 Gain 43dB																																
SIZE	CAGE NO	DWG NO.	REV																													
A3			1																													
SCALE	UNIT	SHEET 1 OF 1																														
3:2	mm																															