

Model:TLPA30G36G-46-46
Power Amplifier
30-36GHz,Gain:46dB,Psat:46dBm
Feature:

- Ultra Wide Band: 30-36GHz
- Gain:46dB Min
- Psat Output Power: 46dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	30-36			GHz
增益 Gain	46	50		dB
增益平坦度 Gain Flatness		±3	±5	dB
线性输出功率 Output P1dB		44		dBm
饱和输出功率 Output Psat	46	47		dBm
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage		+28	+30	V DC
直流电流 DC Supply Current		20	32	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92 Female/WR28	
直流偏置 DC Bias	D-SUB-9	
尺寸 Size	220*200*35	mm
重量 Weight	6	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+30V
输入功率 RF Input Power	5dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-40		+60	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			feet
震动 Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA30G36G-46-46	Power amplifier 30-36GHz,Gain:46dB,Psat:46dBm, +28V DC,Without Heatsink	Rev.1.1
TLPA30G36G-46-46-HS	Power amplifier 30-36GHz,Gain:46dB,Psat:46dBm, +28V DC,With Heatsink	Rev.1.1