

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

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	30-36			GHz
Gain	46	50		dB
Gain Flatness		±3	±5	dB
Output P1dB		44		dBm
Output Psat	46	47		dBm
Input VSWR		1.5	2.0	:1
DC Voltage		+28	+30	V DC
DC Supply Current		20	32	A
Impedance	50			Ohms

Mechanical Specifications:

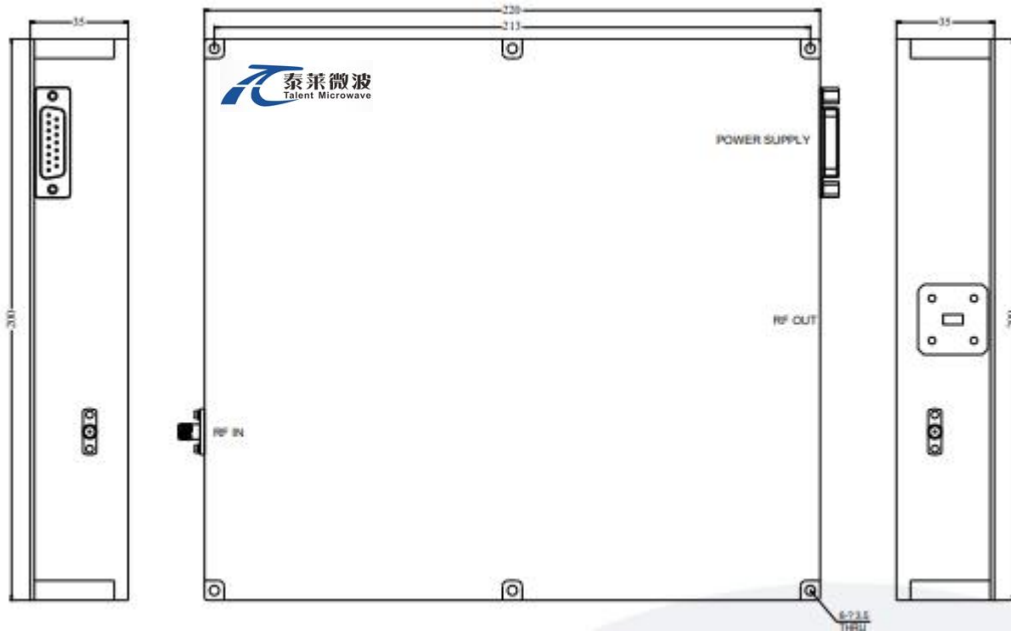
Parameter	Value	Units
Input /Output Connector	2.92 Female WR28	
DC Bias	D-SUB-9	
Size	220*200*35	mm
Weight	6	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+30V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



***Heat Sink Required During Operation



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

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

Ordering Information:

Part Number	Description	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