

Model:TLPA26.5G40G-51-52

Power Amplifier 26.5-40GHz,Gain:51dB,Psat:52dBm

Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain:51dB Min
- Psat Output Power:52dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	26.5-40			GHz
Gain	51			dB
Gain Flatness		±4.5		dB
Output P1dB	50			dBm
Output Psat		52		dBm
Spurious			-50	dBc
Harmonics			-20	dBc
Input VSWR		2	2.5	:1
DC Voltage		+24		V DC
DC Supply Current			70	A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92 Female/WR-28	
DC Power Interface	Solder Pin	
Size	/	mm
Weight	25	Kg

Absolute Maximum Ratings:

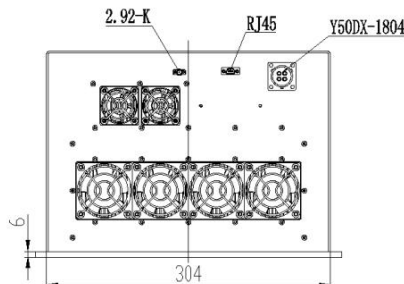
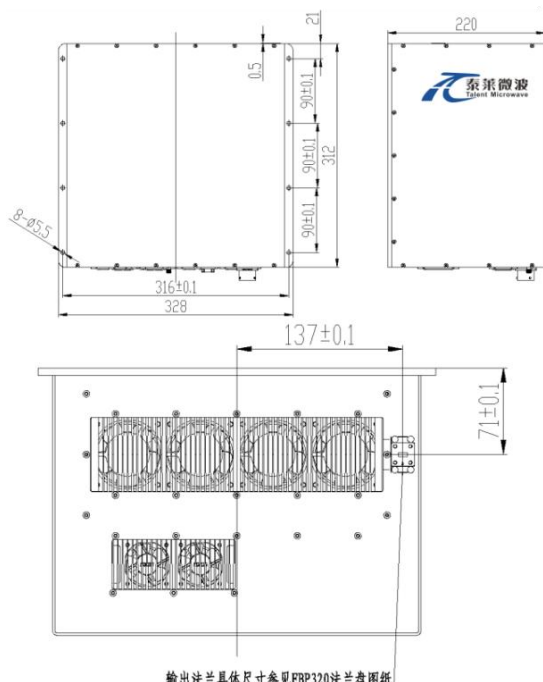
Parameter	Value
Supply Bias Voltage	A1-2:+24V;A3-4:GND
RF Input Power	10dBm
ESD sensitivity (Hbm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature*	-20		+50	°C
Non-operating Temperature*	-30		+60	°C
Relative humidity		95		%
Altitude	10000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

*Note: For a wider temperature range, please consult the manufacturer.

Ordering Information:

Part Number	Description	Revision
TLPA26.5G40G-51-52	Power amplifier 26.5-40GHz, Gain:51dB, Psat:52dBm, +24V DC, Without Heatsink.	Rev.1.1