

LT-PA-2636G



Power Amplifier

26-33GHz / 32dB Gain / 30.5dBm Psat

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LT-PA-2636G is a power amplifier with a minimum gain of 32 dB and a nominal Psat of 30.5 dBm across the frequency range of 26 to 33 GHz. The DC power requirement for the amplifier is +24 VDC/200 mA. The input and output port configuration offers coax adapter structure with 2.92mm female.

Features:

- Frequency range: 26-33GHz
- Gain: 32dB Min
- Output Power Psat: 30.5dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Applications:

- Cellular
- PCN
- GSM
- ISM
- Lab Test

Electrical Characteristics:

Parameter	Min	Typ	Max	単位 Units
Frequency range	26		33	GHz
Gain	32	35		dB
Gain Flatness		±2.5		dB
Output P1dB	29	30		dBm
Output Psat		30.5		dBm
VSWR		2		:1
DC Voltage		24		V DC
DC Supply Current		200		mA
Impedance	50			Ohms

Mechanical Specifications:

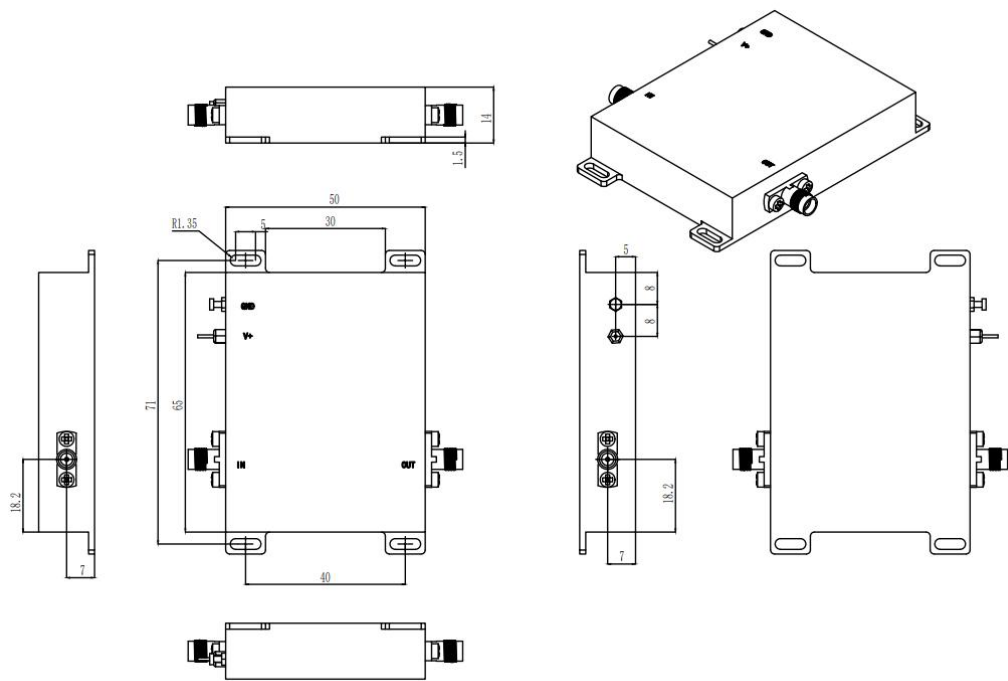
Parameter	Value	Units
Input /Output Connector	2.92mm Female/2.92mm Female	
DC Bias	Solder Pin	
Size	50*65*14(Without heatsink)	mm

Absolute Maximum Ratings :

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

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



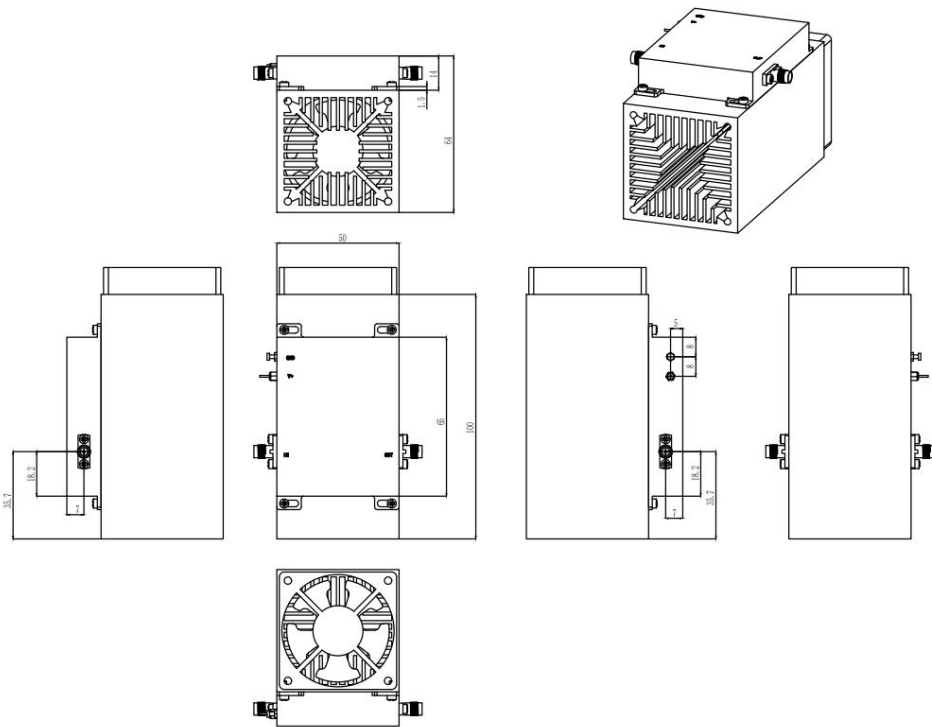
***Heat Sink Required During Operation



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



Environmental Conditions:

Parameter	Min	Typ	Max	単位 Units
Operating Temperature*				°C
Non-operating Temperature*				°C
Relative humidity		95		%
Altitude	10,000			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.