

# 0.01-70GHz Low Noise Amplifier

P/N: AT-BB-0067-1815



## ■ Features

- Ultra Wide Band: 0.01-67GHz
- Gain: 18dB
- Output Power: 15dBm
- High Output IP3: 20dBm

## ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

## ■ Electrical Specifications (+25 °C)



Parameter	Min.	Typ.	Max	Units
Frequency Range	0.01-67			GHz
Gain		18		dB
Gain Flatness		±2	±2.5	dB
Input VSWR		1.8	2.5	-
Output VSWR		1.8	2.5	-
Output Power for 1dB Compression (P1dB)		15		dBm
Output Power Past		16		dBm
Spurious		-60		dBc
Noise Figure		5		dB
Output IP3		20		dBm
Input Max Power(no damage)			+5	dBm
DC Current (Vcc=+12V)		200		mA
Impedance	50			Ω
Input Output Connector	1.85mm-Female			
Material / Finishing	Aluminium\Gold Plated			
Weight	50g			
Package Sealing	General Sealed(Standard) ; Hermetically Sealed(Optional)			

Shanghai AT Microwave Limited

Tel:021-6229 1233

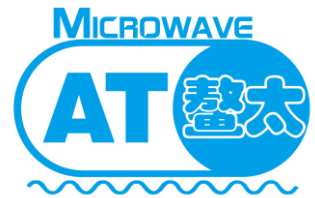
Email:sales@atmicrowave.com

www.atmicrowave.com



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## Environmental Conditions

Operational Temperature	-45°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave,3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

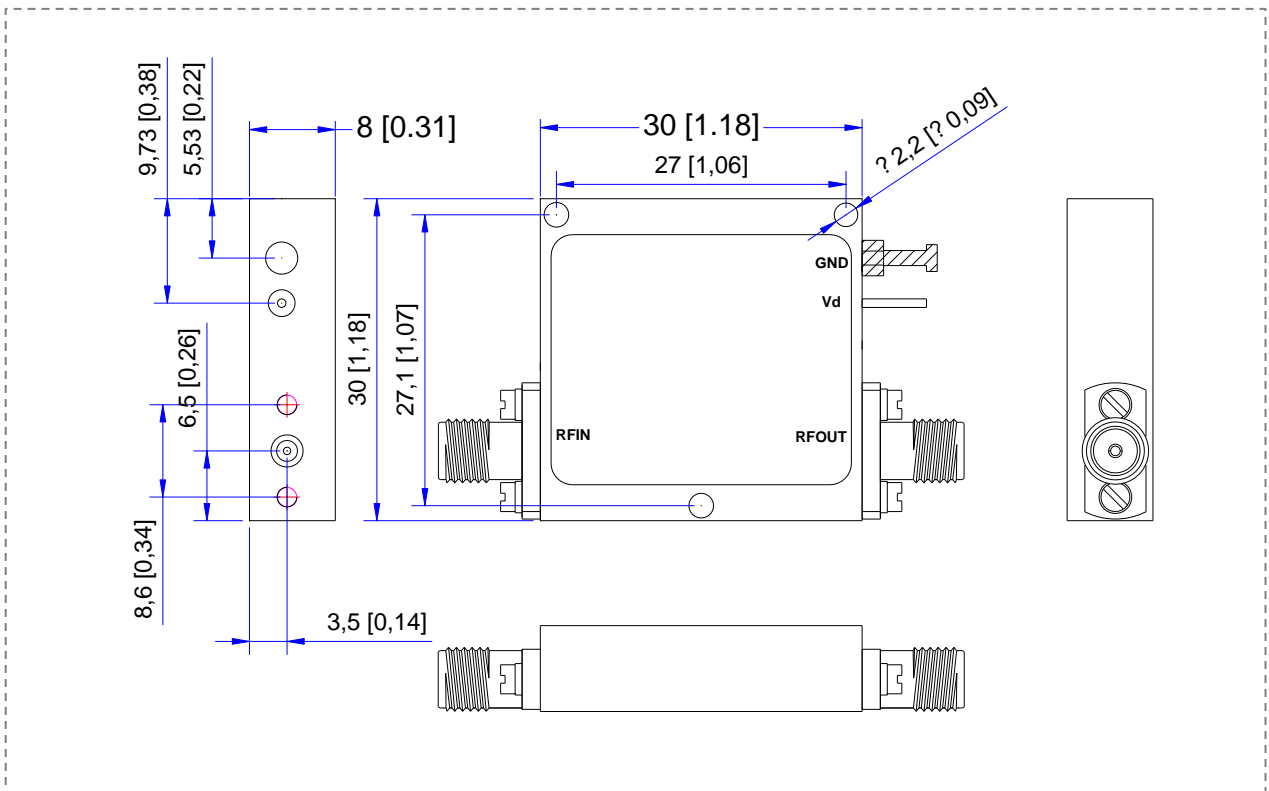
## Absolute Maximum Ratings

Supply Bias Voltage	+13V
RF INPUT POWER	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



## Outline Drawing

All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )



**\*\*\*Heat Sink required during operation\*\*\***

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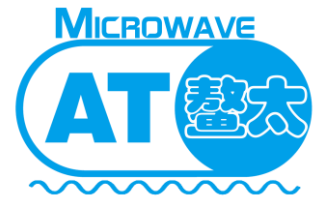
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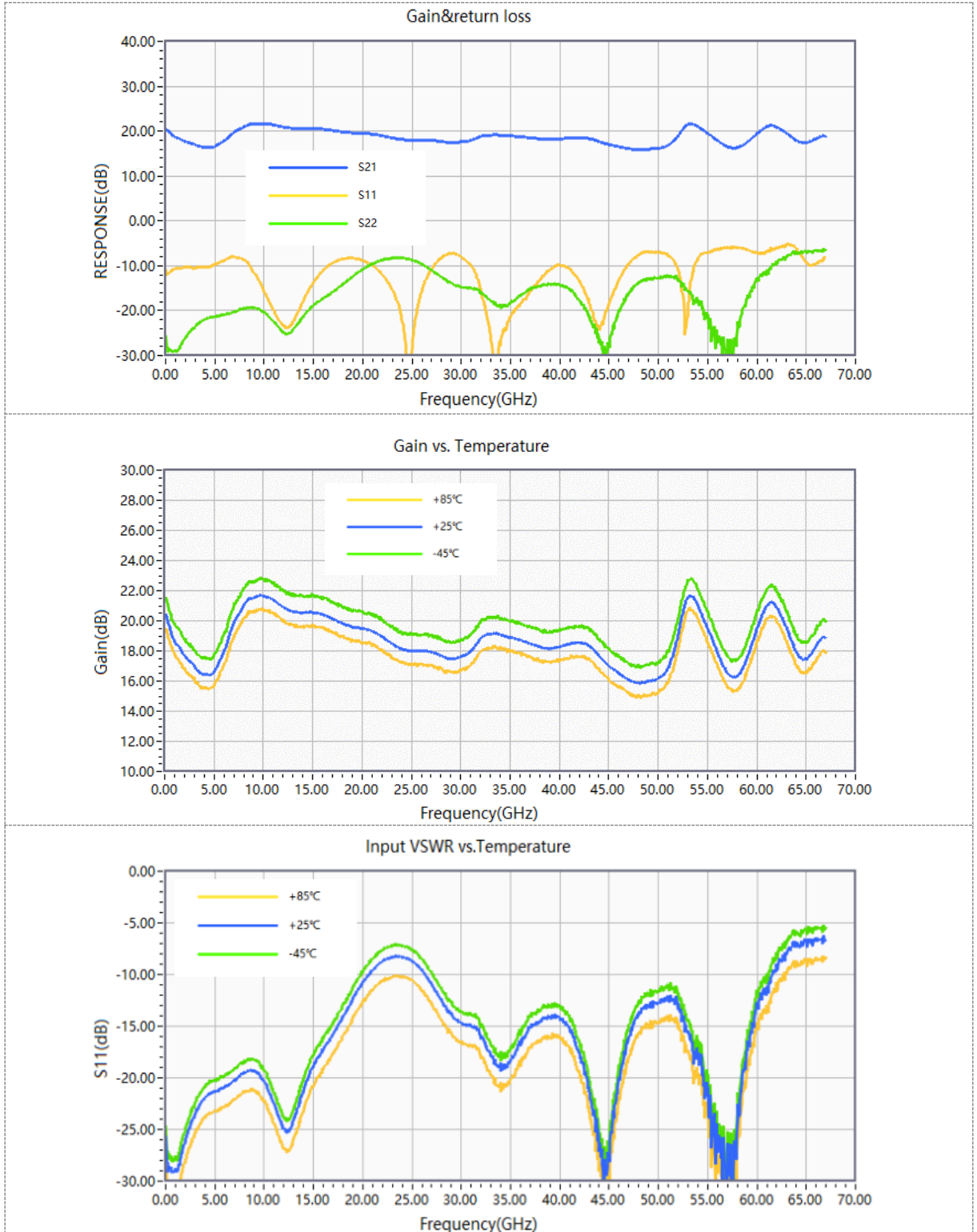


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## ■ Performance Plot



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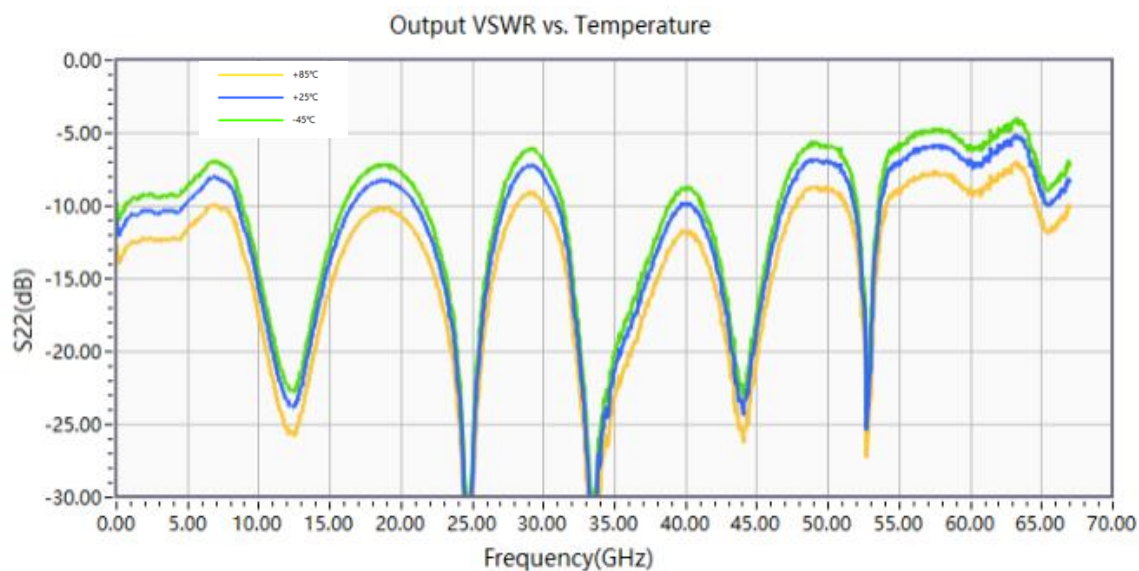
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## NOTE:

AT Microwave reserves the right to change the above information without notice.

