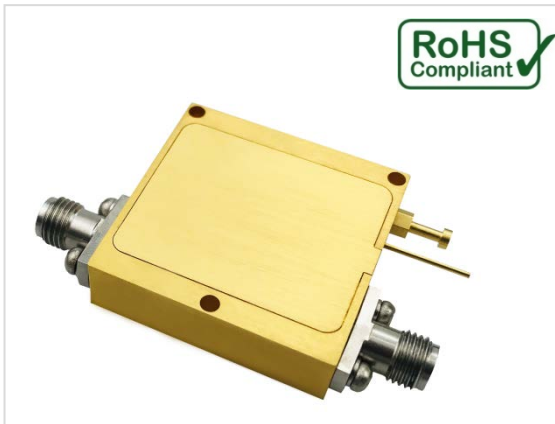


# MODEL HILNA26323525

## 26-32GHz Low Noise Amplifier



### ■ Features

- Ultra Wide Band: 26-32GHz
- Gain: 35dB
- Output Power: 10dBm
- High Output IP3: 15dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	26-32			GHz
Gain	34	35		dB
Gain Flatness		±1	±1.5	dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)	5	8		dBm
Noise Figure		2.5	3.0	dB
Spurious		-60		dBc
Output IP3		15		dBm
Input Max Power(no damage)			-25	dBm
DC Current (Vcc=+8~+12V)		200		mA
Impedance	50			Ω
Input Output Connector	2.92mm-Female			
Material/Finishing	Aluminium\Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard)			

### 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

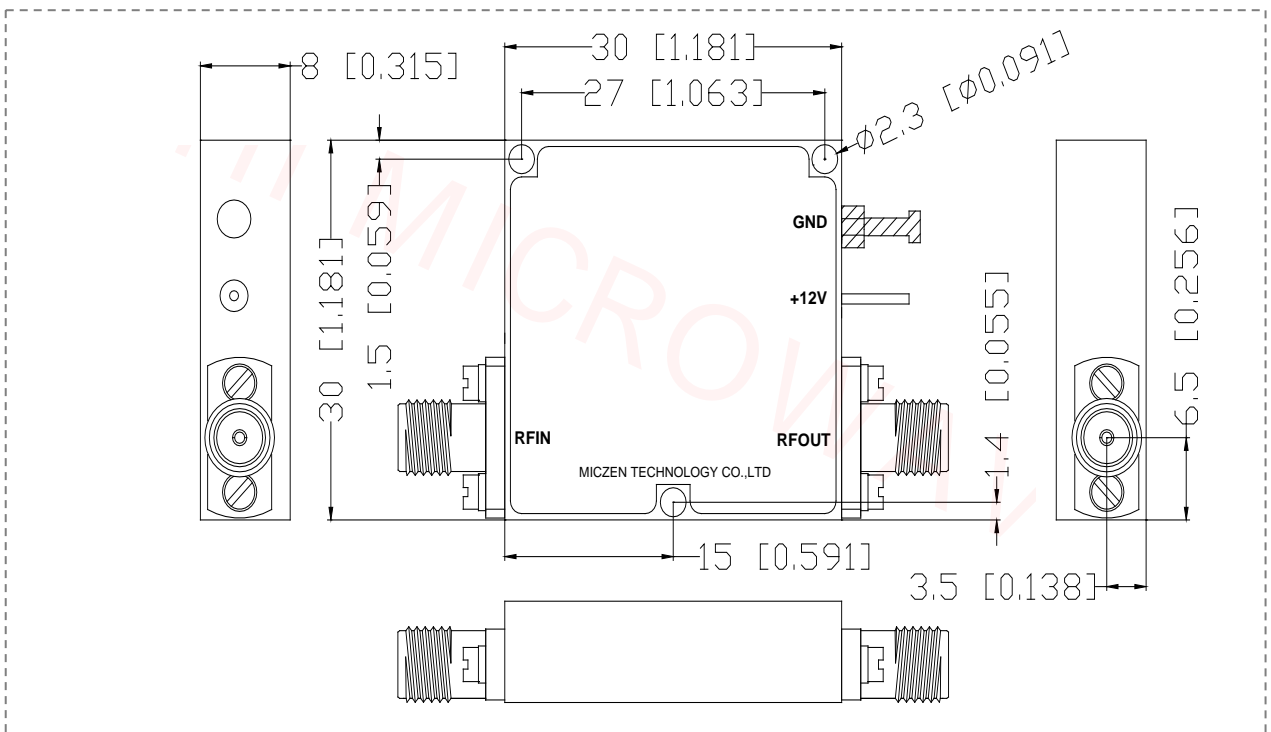
Supply Bias Voltage	+15V
RF INPUT POWER	-25dBm
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES

### Outline Drawing

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



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