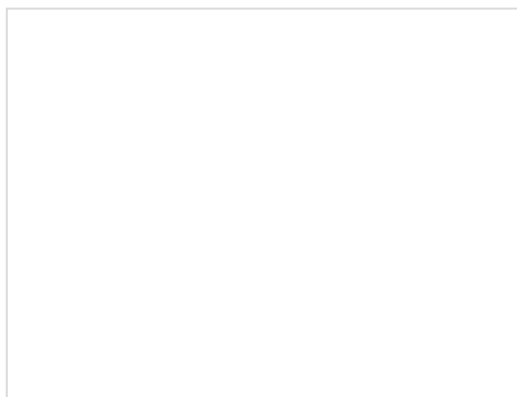


MODEL HILNA25274218

25.5-27GHz Low Noise Amplifier



■ Features

- Ultra Wide Band: 25.5-27GHz
- Gain: 28dB
- Output Power: 15dBm
- High Output IP3: 20dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

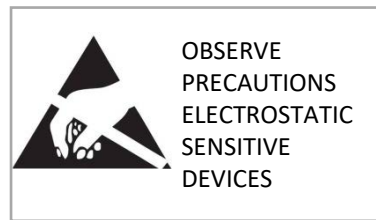
Parameter	Min.	Typ.	Max	Units
Frequency Range	25.5-27			GHz
Gain	42dB min			dB
Gain Flatness		±0.8	±1	dB
Gain Variation over temperature	3dB Max @-20~+60°C			
Group delay variation		±40		ps
Input VSWR		1.5	1.8	-
Output VSWR		1.8	2.0	-
Input Power for (P1dB)	-15			dBm
Input Power without damage			-10	dBm
Noise Figure	1.83dB			dB
DC Current (Vcc=+12~15V)			250	mA
Impedance	50			Ω
Input Output Connector	WR34 FLANGE UBR260/K-F			
Material	Aluminium\Gold Painting			
Package Sealing	General Sealing (Standard)			

Environmental Conditions

Operational Temperature	-20°C~+60°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

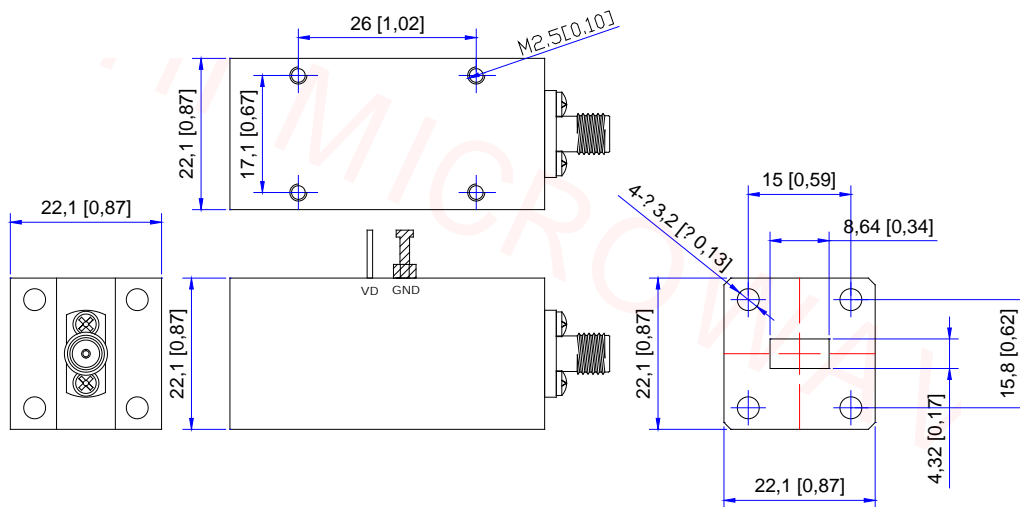
Absolute Maximum Ratings

Supply Bias Voltage	+18V
RF INPUT POWER	-10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



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