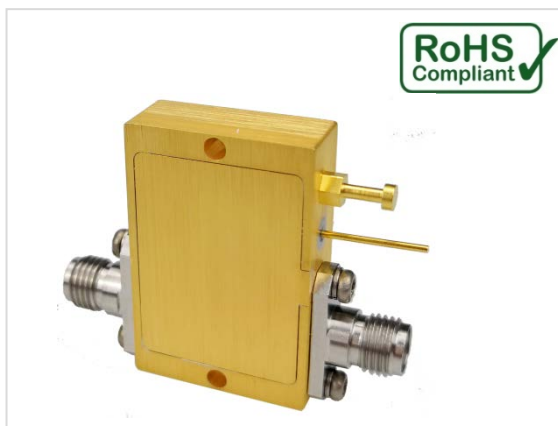


MODEL HILNA26403025

26.5-40GHz Low Noise Amplifier



■ Features

- Ultra Wide Band: 26.5-40GHz
- Gain: 30dB
- Output Power: 0dBm
- High Output IP3: 10dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	26.5-40			GHz
Gain	30			dB
Gain Flatness		± 1.5	± 2.0	dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)	0			dBm
Noise Figure		2.5	3.0	dB
Spurious		-60		dBc
Output IP3		10		dBm
Input Max Power(no damage)			-20	dBm
DC Current (Vcc=+12V)		60		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

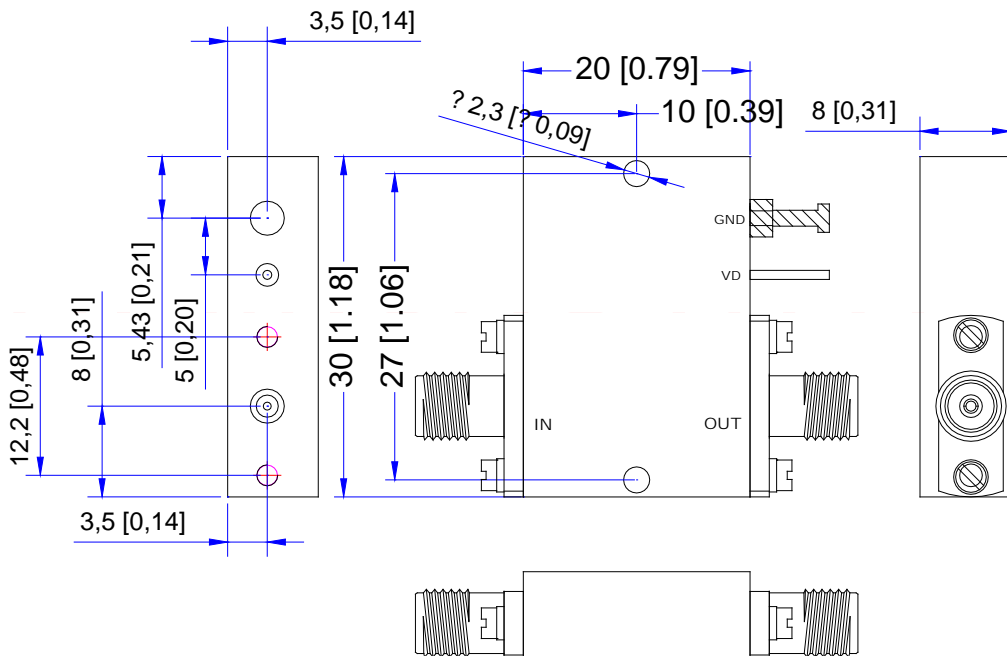
Supply Bias Voltage	+15V
RF INPUT POWER	-20dBm
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES

Outline Drawing

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



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

Performance Plot

