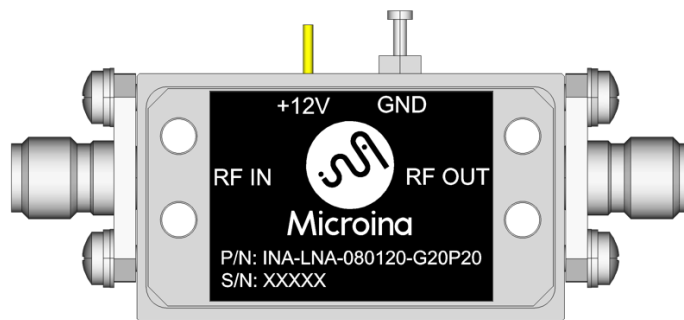


FEATURES:

- X-Band
- Low Noise Figure
- High Input Power Survivability
- Single Supply Voltage
- Internal Regulator
- Field Replacable SMA Connectors
- Humidity Protected Mechanical Package


ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	8000		12000	MHz
Small Signal Gain		21		dB
Gain Flatness		±1		dB
P1dB		21		dBm
Psat		23		dBm
OIP3		33		dBm
Noise Figure		2		dB
Input VSWR		2:1		
Output VSWR		2:1		
Operating DC Voltage	+8	+12	+12.5	Volts
Operating DC Current		170	250	mA

*Electrical specifications are given at 25°C.

ABSOLUTE MAXIMUM RATING:

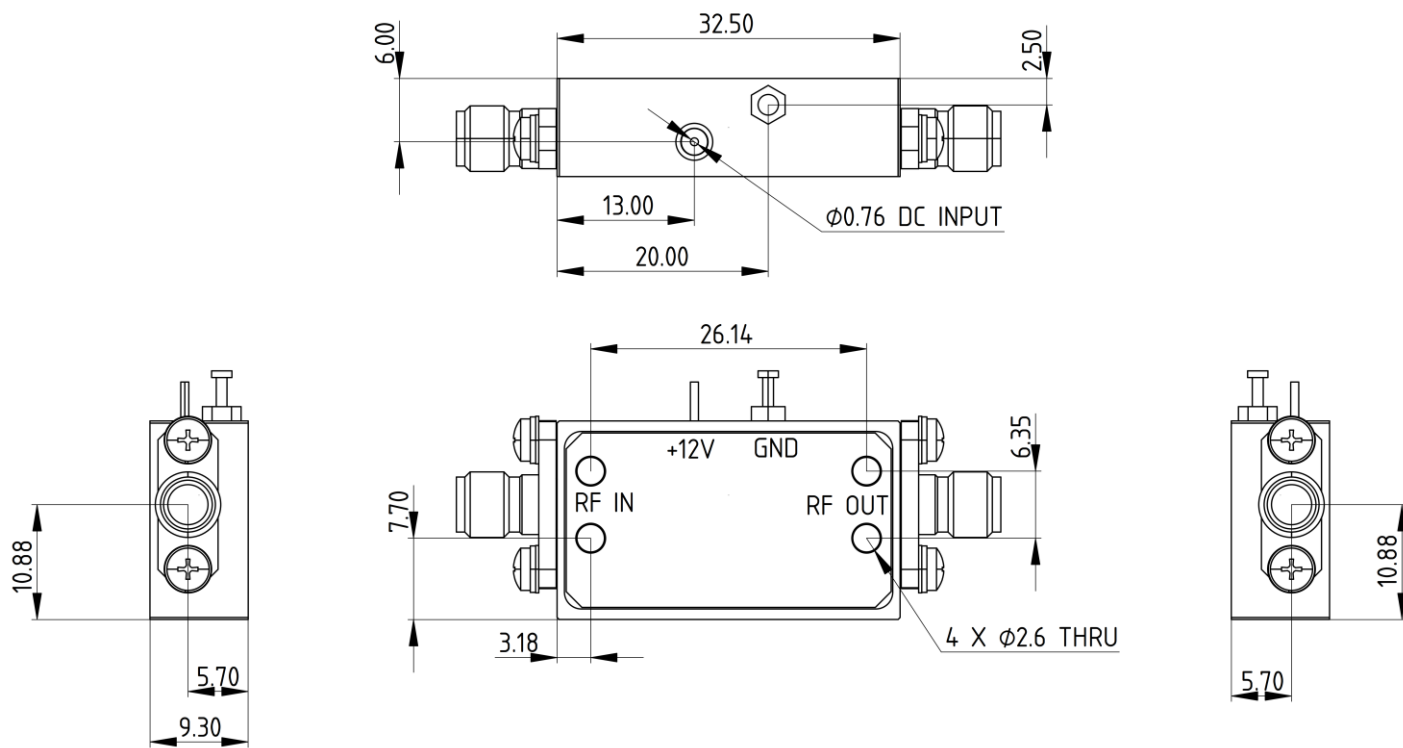
Parameter	Min.	Typ.	Max.	Units
DC Voltage			+15	Volts
RF Input Power			+32	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	32.5 x 18.8 x 9.3	mm
Weight	TBD	gr
RF Connector, Input	SMA, Female	
RF Connector, Output	SMA, Female	
DC Connector	0.03" Solder-In Type Feedthrough	
Cooling	External Heatsink Required	
Mechanical Housing	Nickel Plated Aluminum	

MECHANICAL OUTLINE:

- All dimensions are in mm
- Tolerances: +/- 0.2 mm



REVISION HISTORY:

Rev. No.	Date	Description
P1	17-Apr-2026	Preliminary Release
P2	29-Apr-2026	Updated <i>Noise Figure</i>