

NB00610

0.5-18 GHz 30 dB GAIN BROADBAND AMPLIFIER

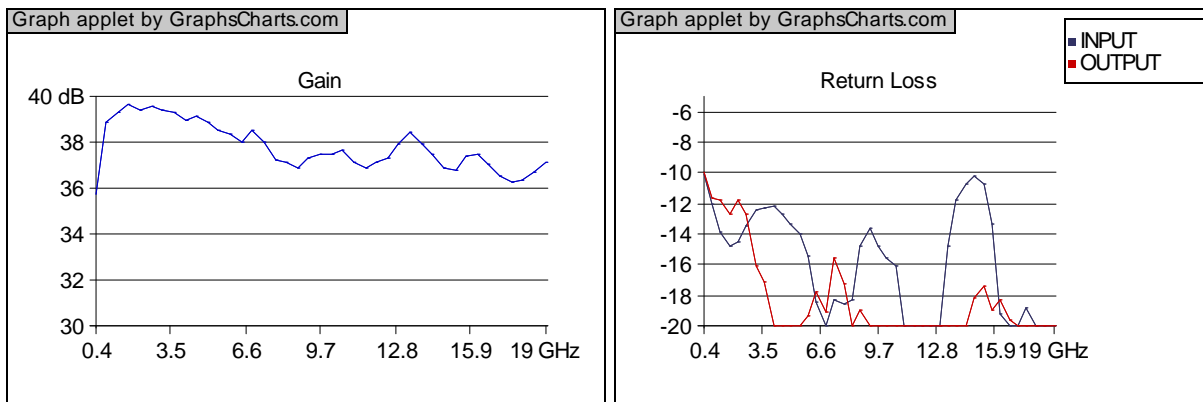
Features:

- Thin Film MIC Process
- Field Replaceable SMA Connectors
- Reverse Bias Protectoin

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	0.5		18	GHz	
Gain	34	38		dB	
Gain Flatness			2.5	dB(+/-)	
Noise Figure			4.5	dB	
Power @ 1dB Gain Compression Point	24	25		dBm	
VSWR Input			2.5		
VSWR Output			2.5		
DC Supply Voltage	14	15	15.2	V	
Supplied Current			700	mA	

Typical Test Data



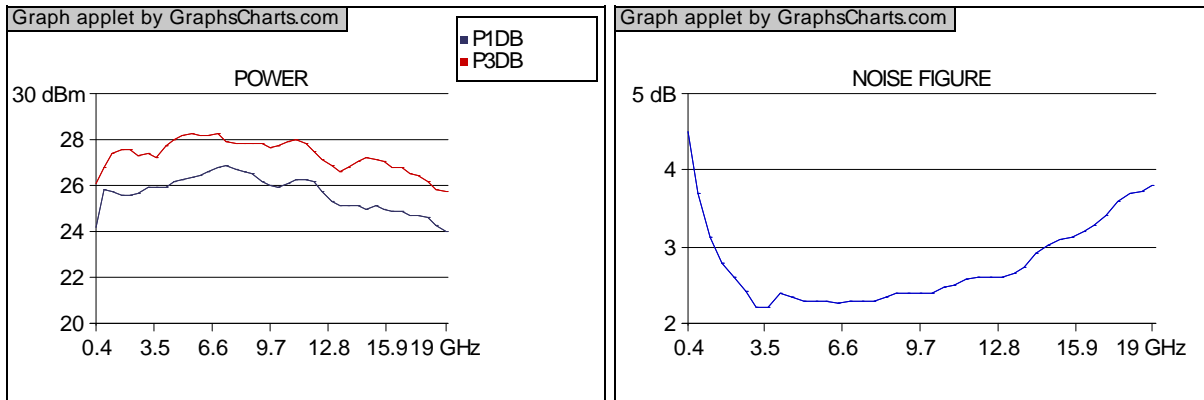
Updated: 1/17/2017



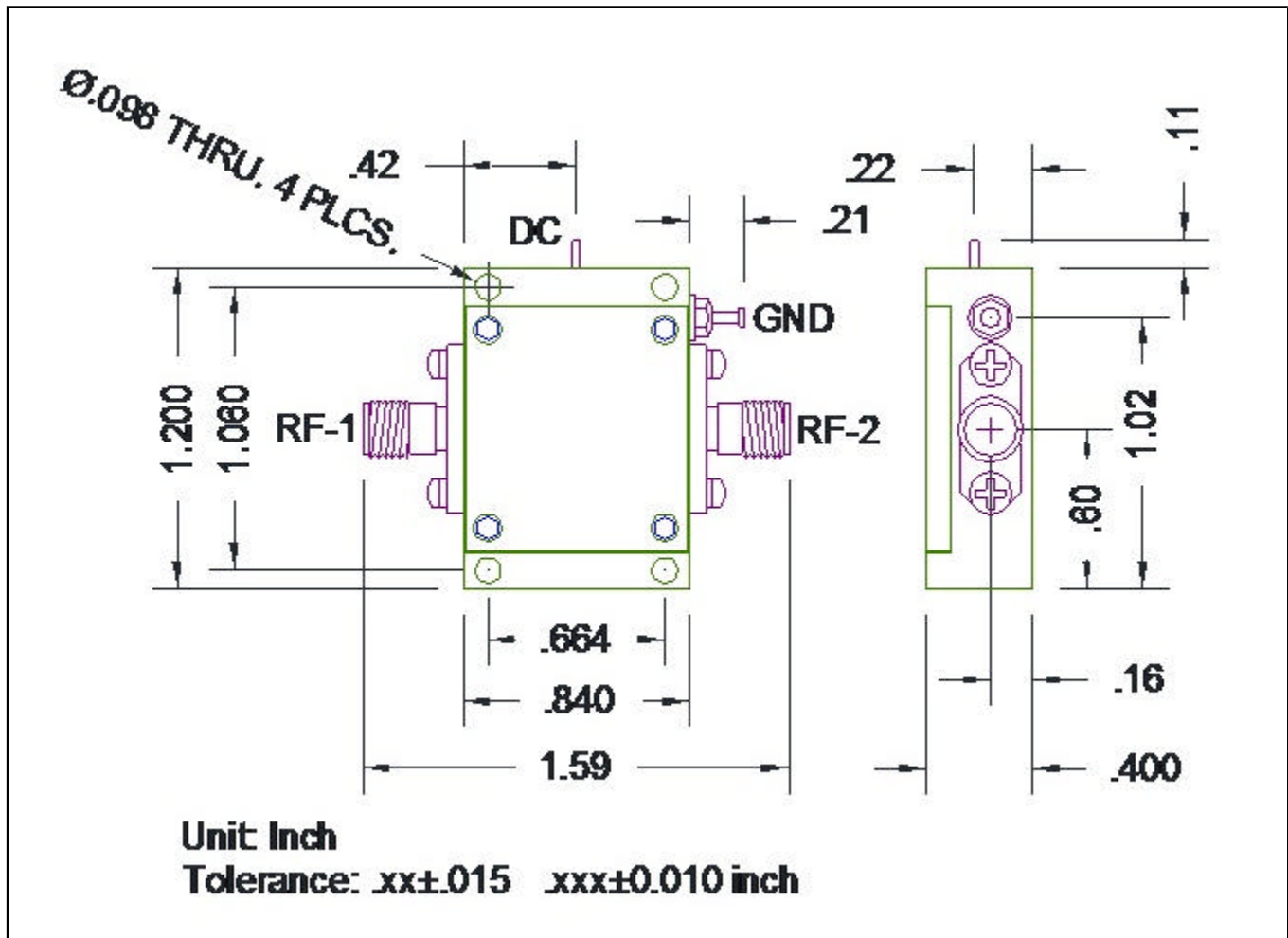
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Outline Drawing



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NB00610**0.5-18 GHZ 30 DB GAIN BROADBAND AMPLIFIER**

Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF SIGNAL INPUT
RF-2	SMA-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+15V	I	DC INPUT (14-15.5V)
GND	GROUND LUG	1	GND	O	GROUND

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