

NBL00397

28-37 GHz Broadband Low Noise Amplifier

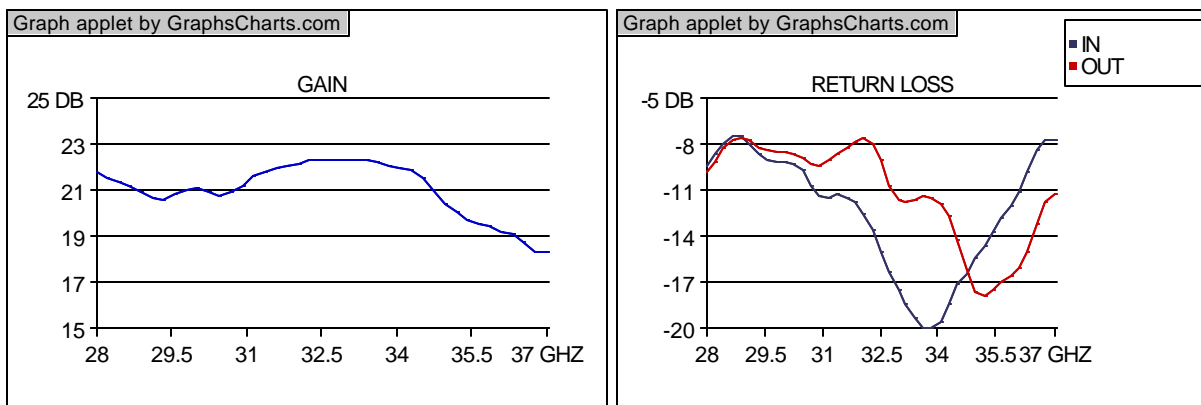
Features:

- Hybrid MIC Thin Film Process
- Reverse Bias Protection
- Field Replaceable K Connectors

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	28		37	GHz	
Gain	17	20		dB	
Gain Flatness		1.5	2	dB(+/-)	
Noise Figure		2.5	3.0	dB	
Power @ 1dB Gain Compression Point	6	9		dBm	
VSWR Input		1.9	2.5		
VSWR Output		1.9	2.5		
DC Supply Voltage	9	12	15	V	
Supplied Current		75	95	mA	

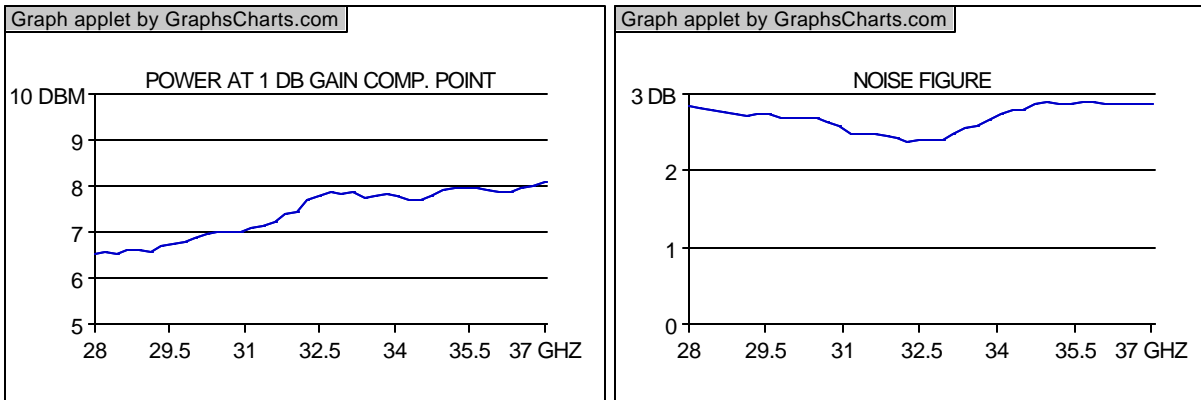
Typical Test Data



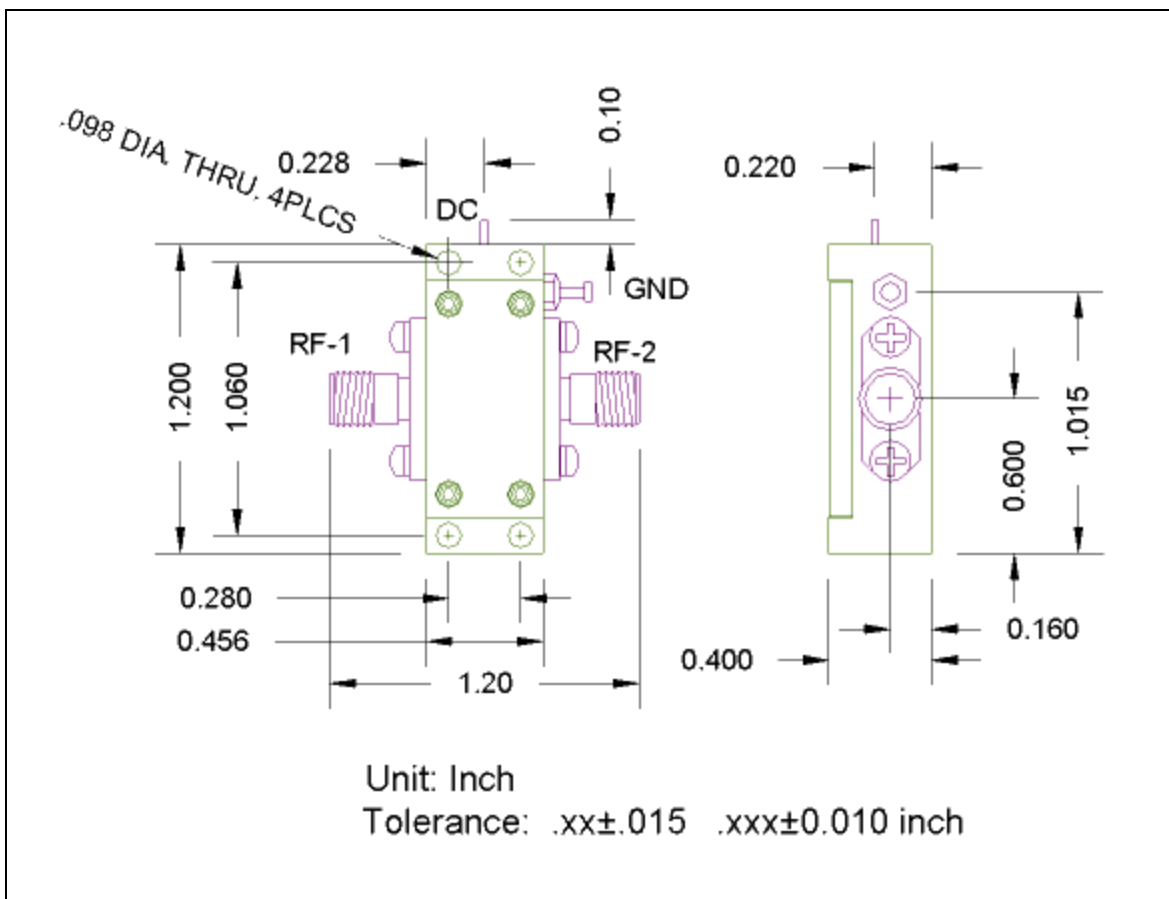
Updated: 4/29/2009

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Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	K-F	1	IN	I	RF SIGNAL INPUT

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RF-2	K-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+12 V	I	DC INPUT (+8 TO +15 V)
GND	GROUND LUG	1	GND	O	GROUND

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