

28-35 GHz, 25dBm Power Amplifier

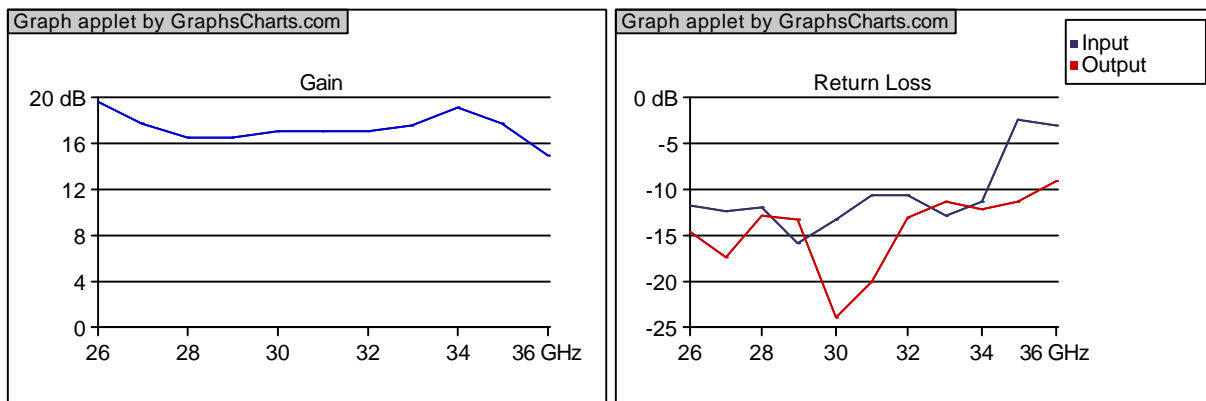
Features:

- Field Replaceable RF Connectors
- Thin Film Hybrid MIC Process

Electrical Performance

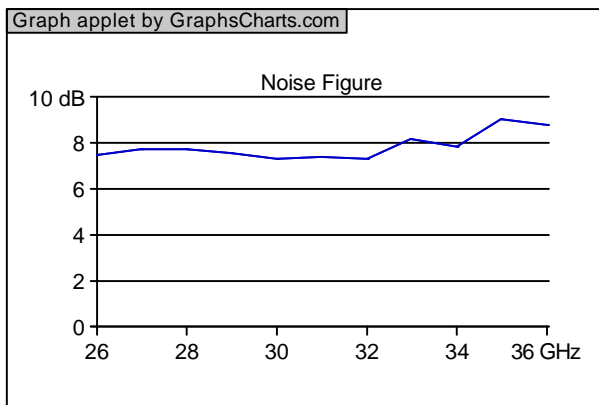
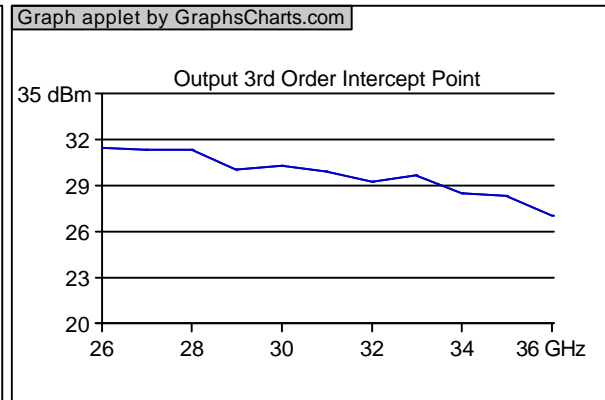
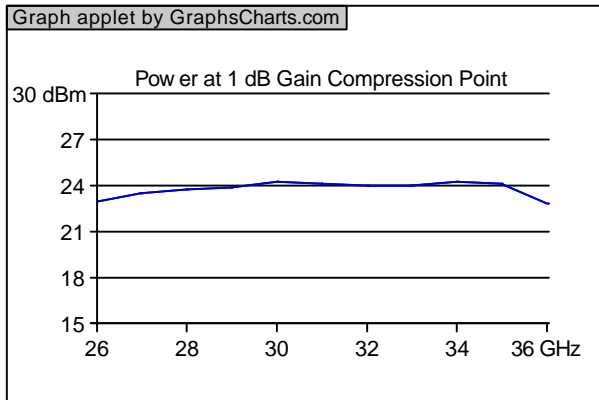
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	28		34	GHz	
Gain	16	18		dB	
Gain Flatness		1.5	2	dB(+/-)	
Power @ 1dB Gain Compression Point	23	24		dBm	
Output 3rd Order Intercept Point	28	31		dBm	Measured with -10 dBm per input tone.
Noise Figure		8	11	dB	
VSWR Input		1.9	2.2		
VSWR Output		1.9	2.2		
DC Supply Voltage	11	12	15	V	
Supplied Current		220	300	mA	

Typical Test Data



Updated: 9/22/2006

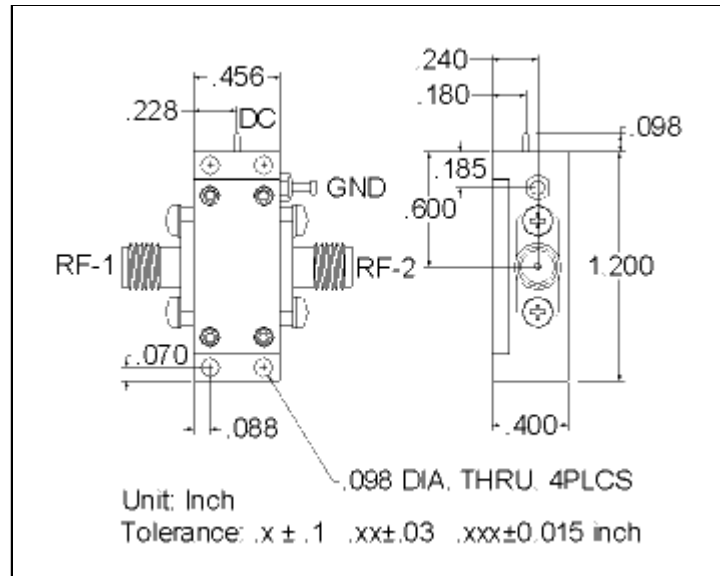
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Outline Drawing

NA00435

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Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	K-F	1	IN	I	RF Signal Input
RF-2	K-F	1	OUT	O	RF Signal Output
DC	EMI Filter	1	+12V	I	DC Power Supply (11-15V)
GND	GROUND LUG	1	GND	O	Ground

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