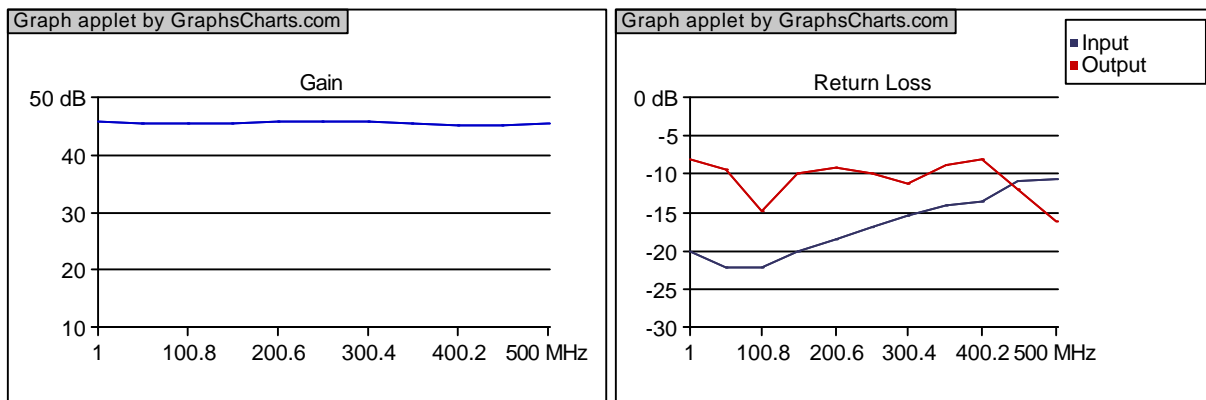


1-500 MHz 5W Broadband High Power Amplifier**Features:**

- Broadband High Power Amplifier

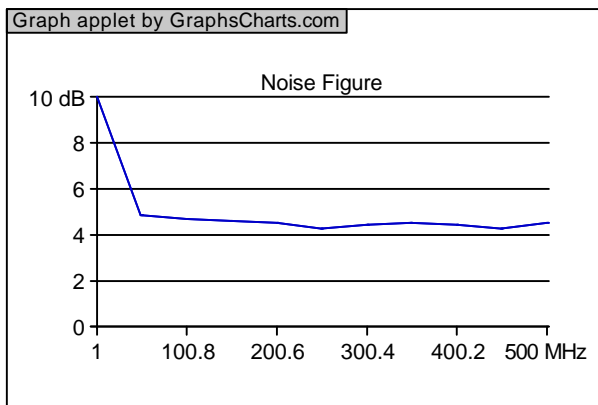
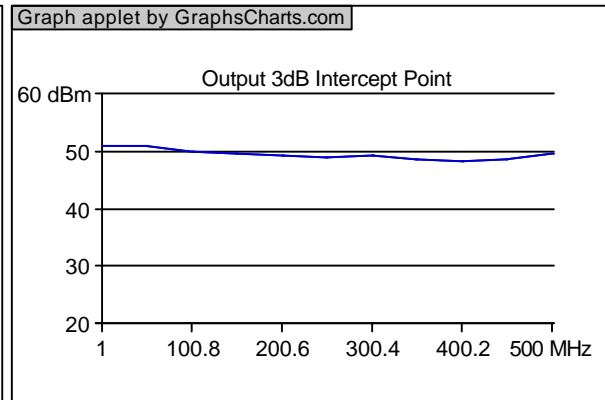
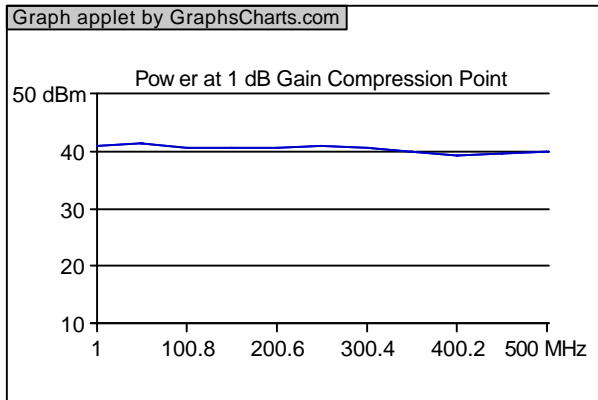
Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	1		500	MHz	
Gain	40	44	51	dB	
Gain Flatness		0.9	1.4	dB(+/-)	
Power @ 1dB Gain Compression Point	37	38		dBm	
Output 3rd Order Intercept Point		49		dBm	
Noise Figure		7.0		dB	
VSWR Input		1.4	2.0		
VSWR Output		2.2	2.5		
DC Supply Voltage	22	24	28	V	
Supplied Current		2.7	3.3	A	

Typical Test Data

Updated: 9/22/2006

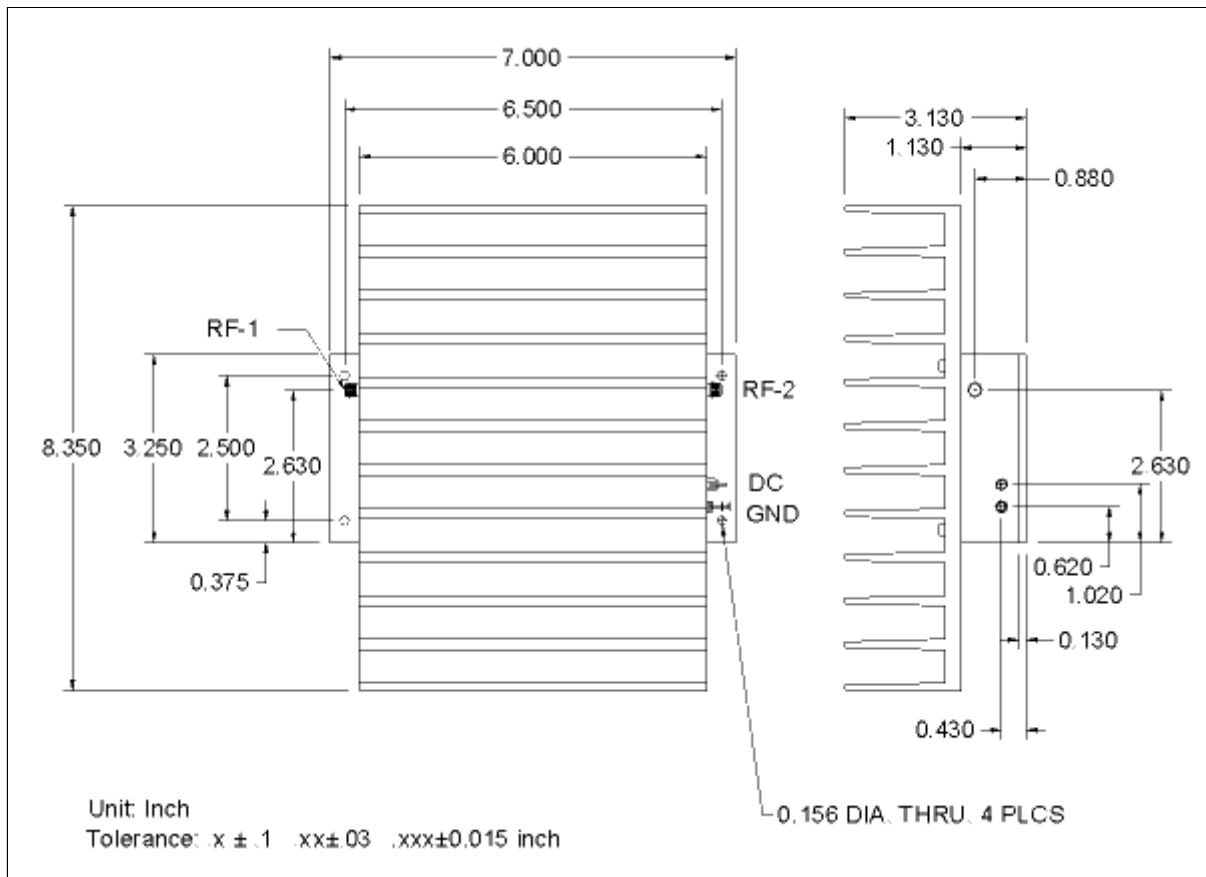
1-500 MHz 5W Broadband High Power Amplifier



Outline Drawing

NB00415

1-500 MHz 5W Broadband High Power Amplifier



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	INPUT	I	RF Signal Input
RF-2	SMA-F	1	OUTPUT	O	RF Signal Output
DC	EMI Filter	1	+24 V	I	DC Supply (22-28V)
GND	GROUND LUG	1	GND	O	Ground

Updated: 9/22/2006



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