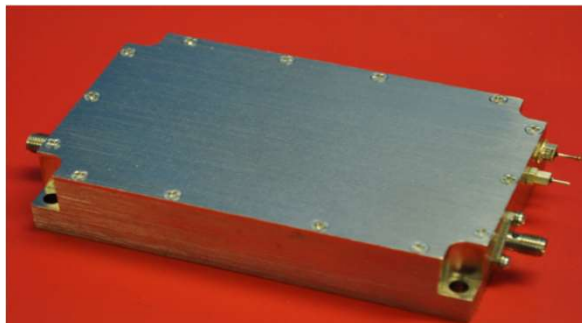


Wide Band RF Amplifier

- * Operating Frequency : 2.5-6 GHz.
- * Saturated Power : 25W Psat Typical
- * Gain : 38 dB.
- * Single, Regulated +30V Supply
- * Enable/Disable Switch
- * No external components required



Description: Ultra wideband operation, Fiber Drivers, Test Instrumentation, All Purpose Power Amp

ELECTRICAL SPECIFICATION @ VDD= +30 VDC, Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2.5		6	GHz.
Gain	G	33	38	45	dB.
Gain Flatness	ΔG		± 2.5	± 3.0	dB.
Noise Figure	NF		5	7	dB.
Power Added Efficiency	PAE		30		%
Power Output	Psat	43	44		dBm.
Return Loss In / Out	S11/S22	5	10		dB.
Operating Voltage ¹	Vdc		30		Volts
Operating Current	Idq		1500	2300	mA.

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	4.0 x 2.5 x 1.0		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		
Enable Pin	YES	5V Max	
Heat Sink	YES		

PROTECTIONS

	Max	
RF Input Power	10	dBm.
Reverse Polarity Protection		
Load VSWR	5:01	RATIO
Stability	Unconditional	

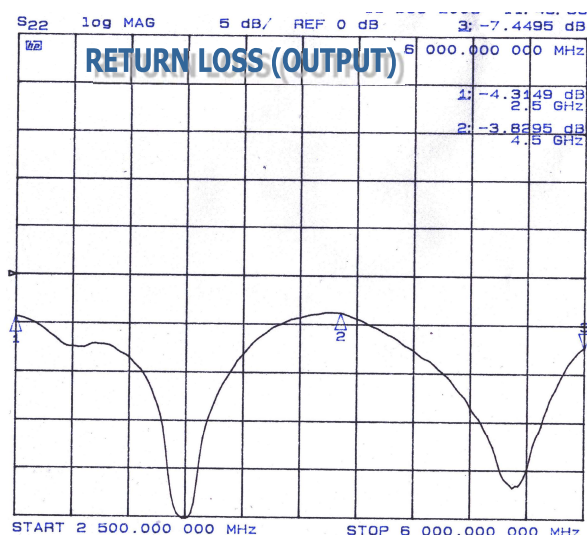
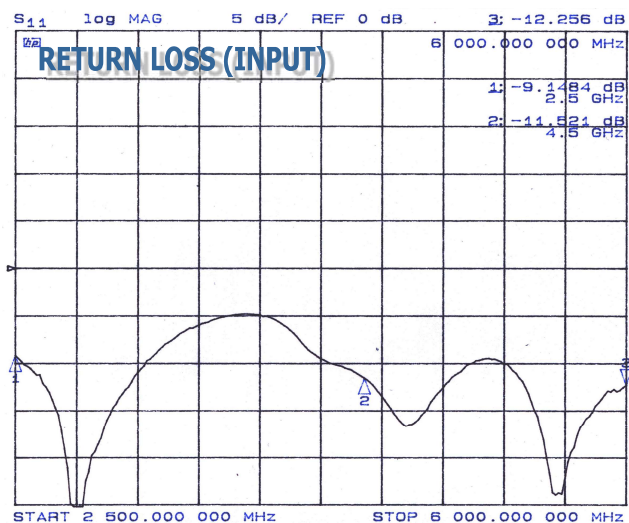
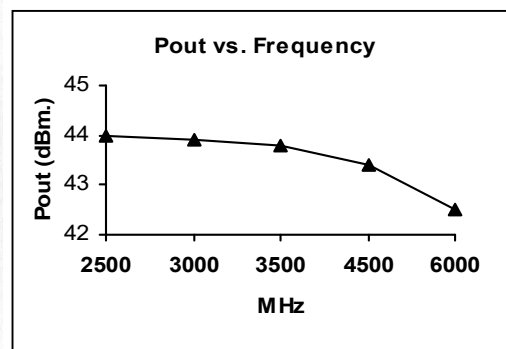
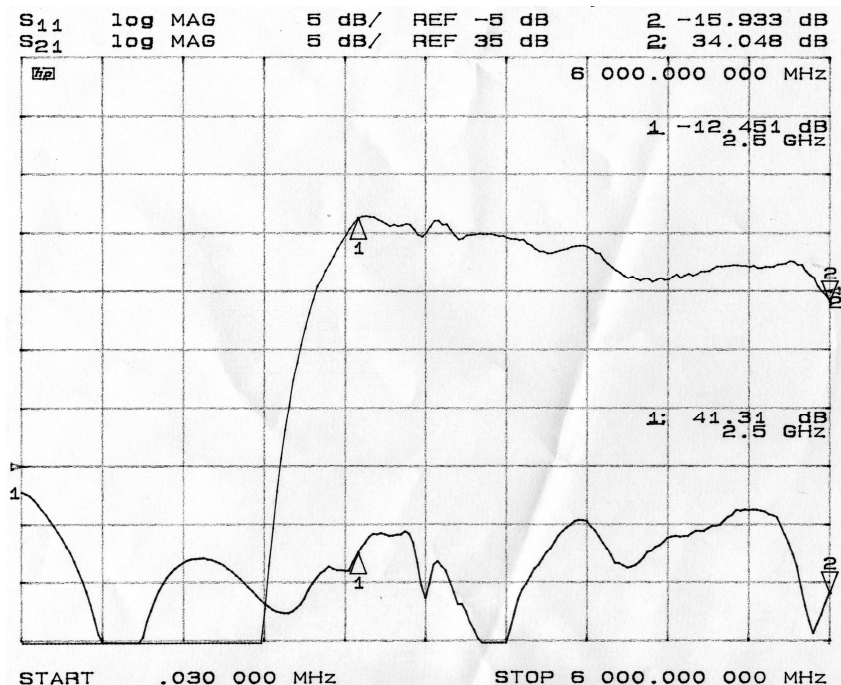
ENVIROMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		75	°C
Storage Temperature	Tstg	-55		150°C	°C

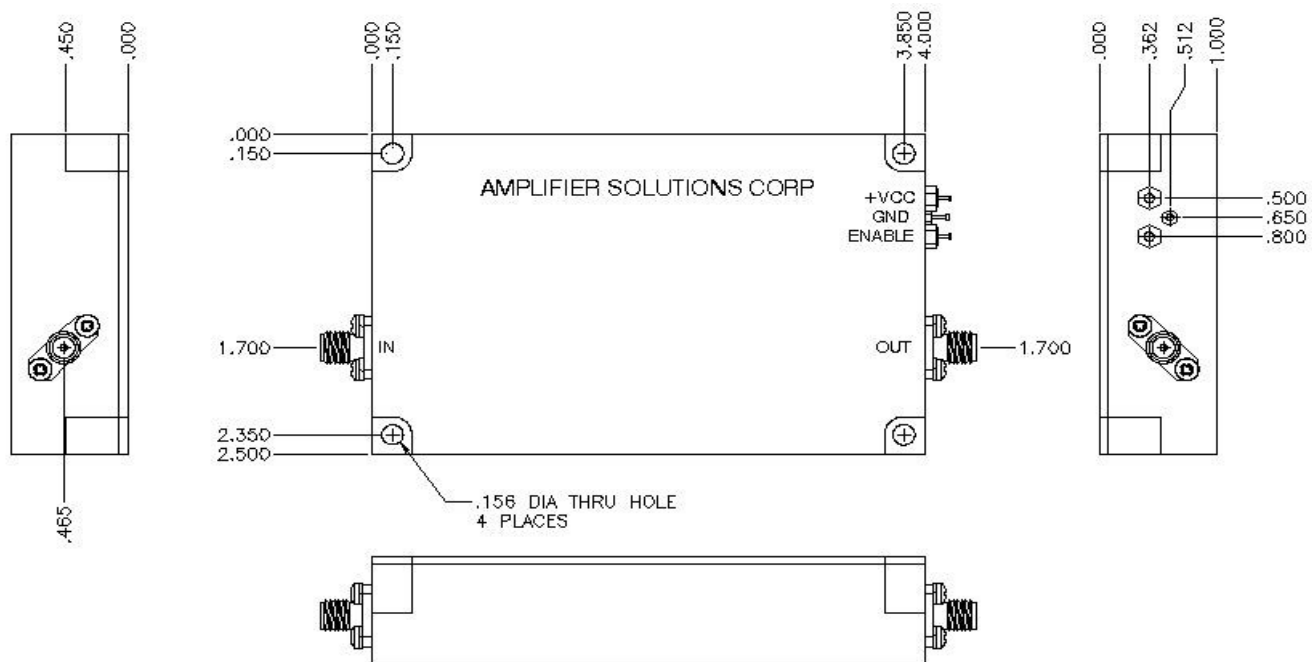
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Tel: 215-799-2561
Fax: 215-799-2563



Outline



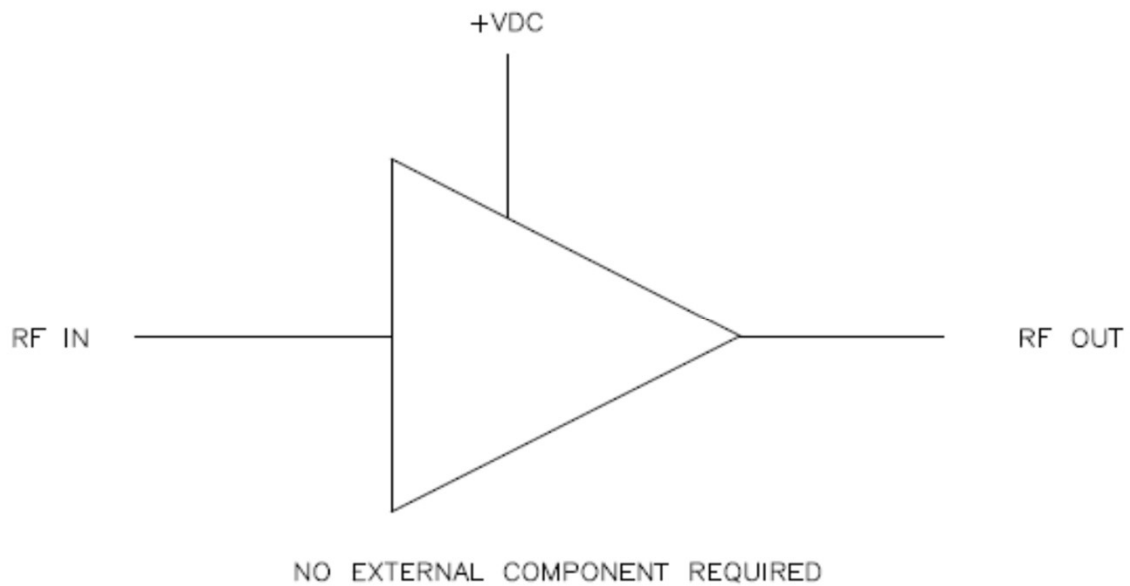
Note: TTL On/OFF Procedure

ENABLE PIN

0V.....ON

5VOFF

FUNCTIONAL BLOCK DIAGRAM



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