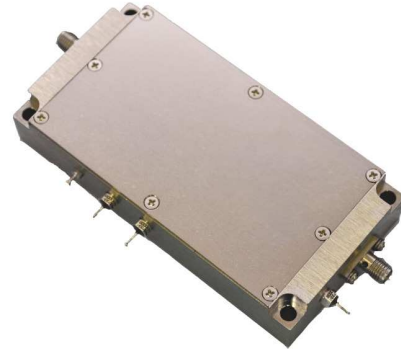


## Wide Band RF Amplifier

- \* Operating Frequency : 2.5-6 GHz
- \* Saturated Power : 25W Psat Typical
- \* Gain : 38 dB
- \* Single, Regulated +30V Supply
- \* Enable/Disable Switch



**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	$\Delta G$		$\pm 2.5$	$\pm 3.0$	dB
Power Added Efficiency	PAE		30		%
Power Output	Psat	43	44		dBm
Output 3rd Order Intercept Point	OIP3	53	54		dBm
2nd Harmonic	HIP2	54	56		dBm
Return Loss In / Out	S11/S22	5	10		dB
Operating Voltage <sup>1</sup>	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		

### PROTECTIONS

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

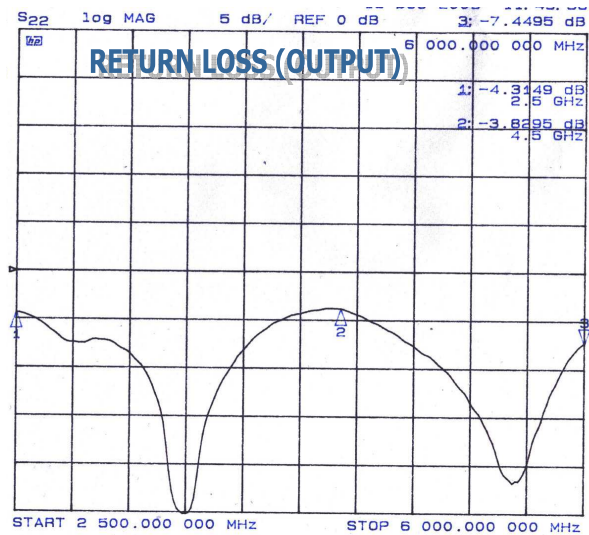
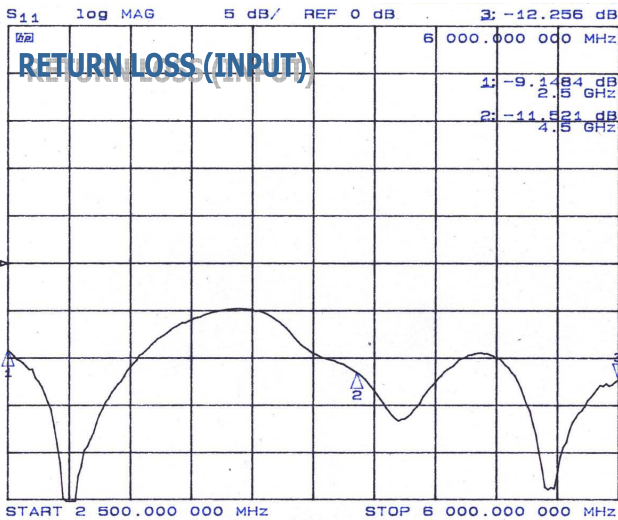
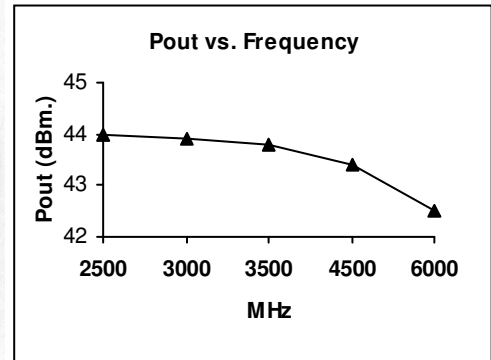
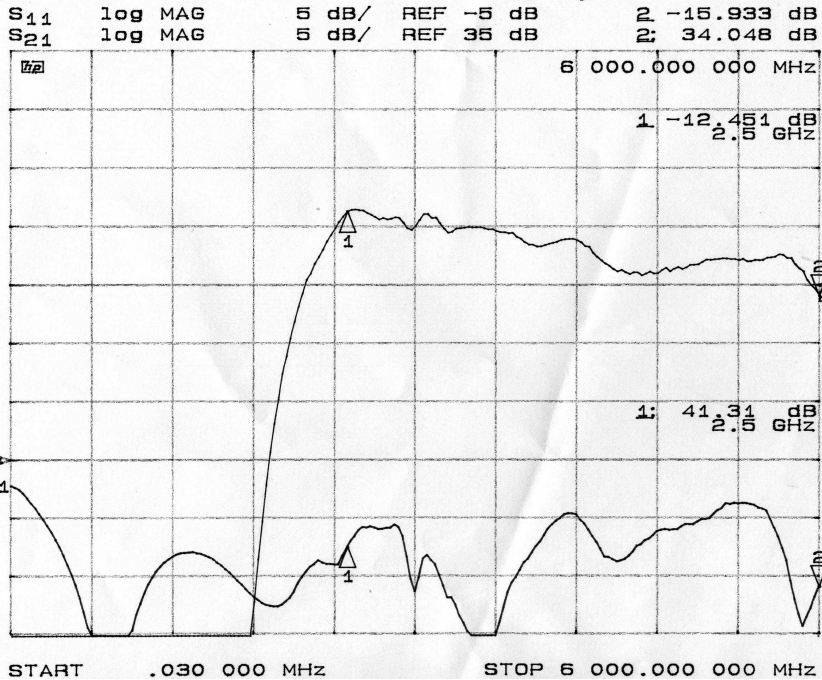
### ENVIROMENTAL CHARACTERISTICS

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

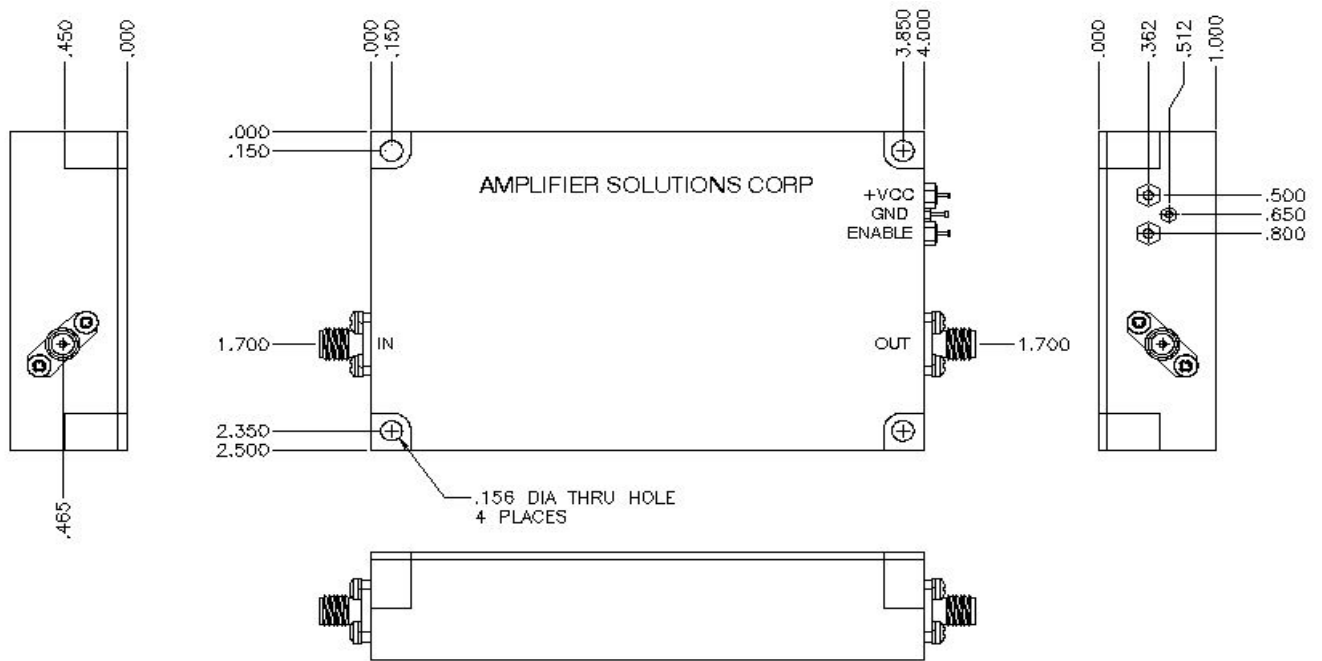


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