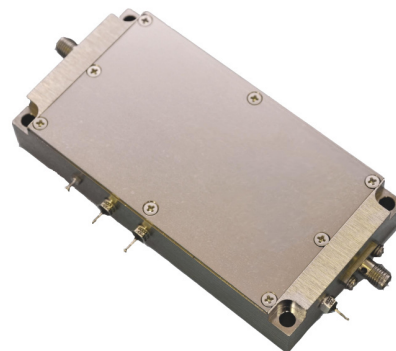


Wide Band RF Amplifier

- * 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	ΔG		± 2.5	± 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 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		

PROTECTIONS

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

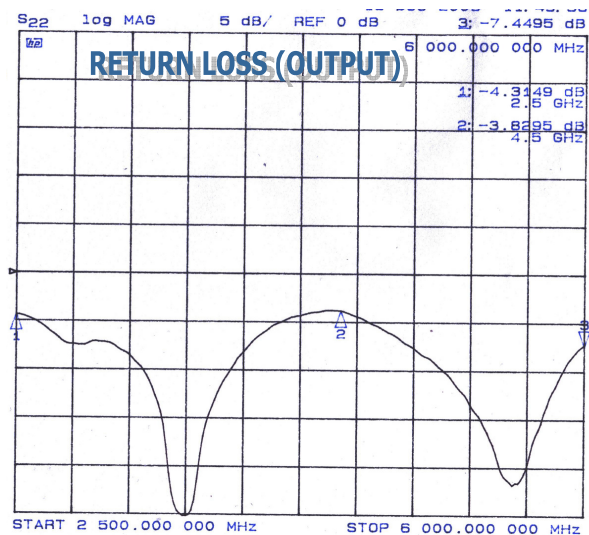
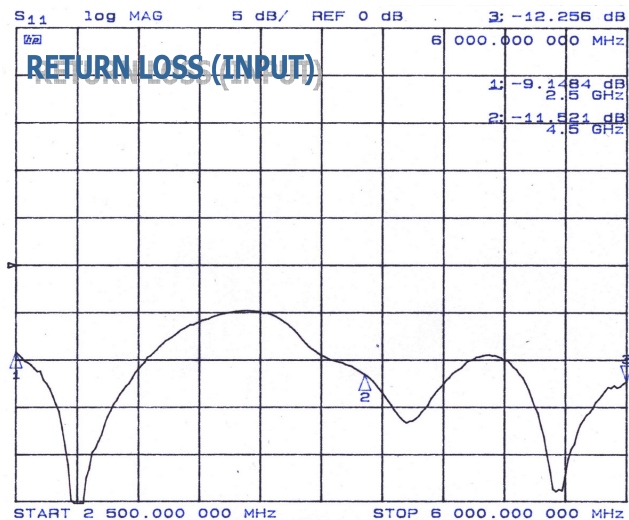
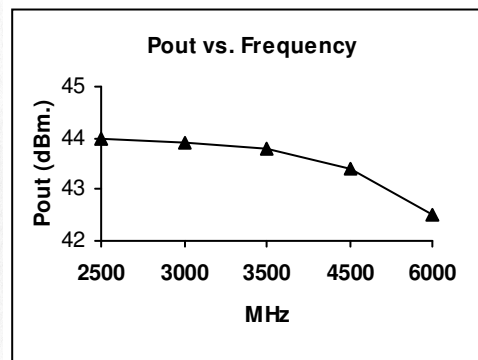
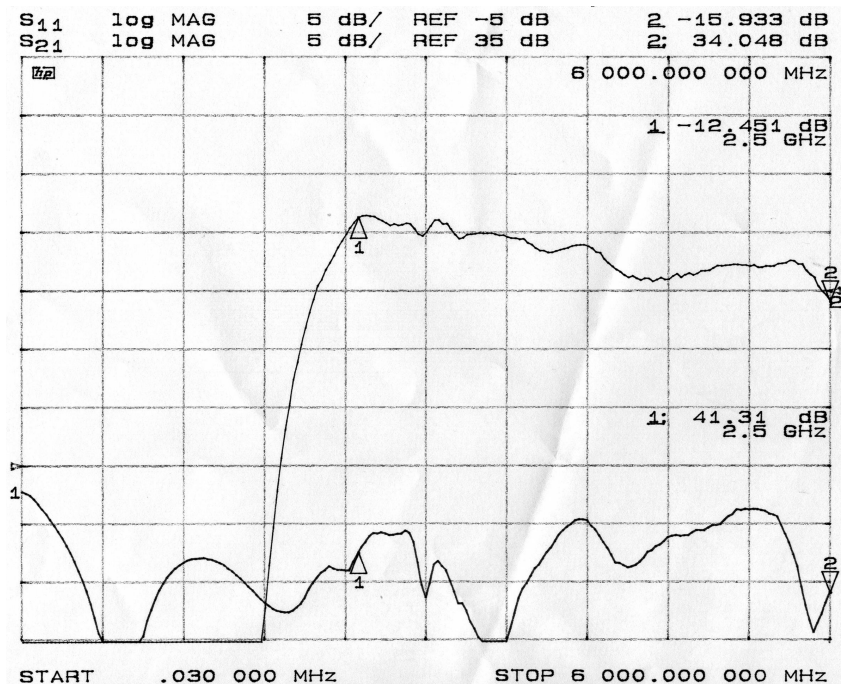
ENVIROMENTAL CHARACTERISTICS

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

3009 Old State Road Telford, PA 18969

Web: www.amplifiersolutions.com
Email: sales@amplifiersolutions.com

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

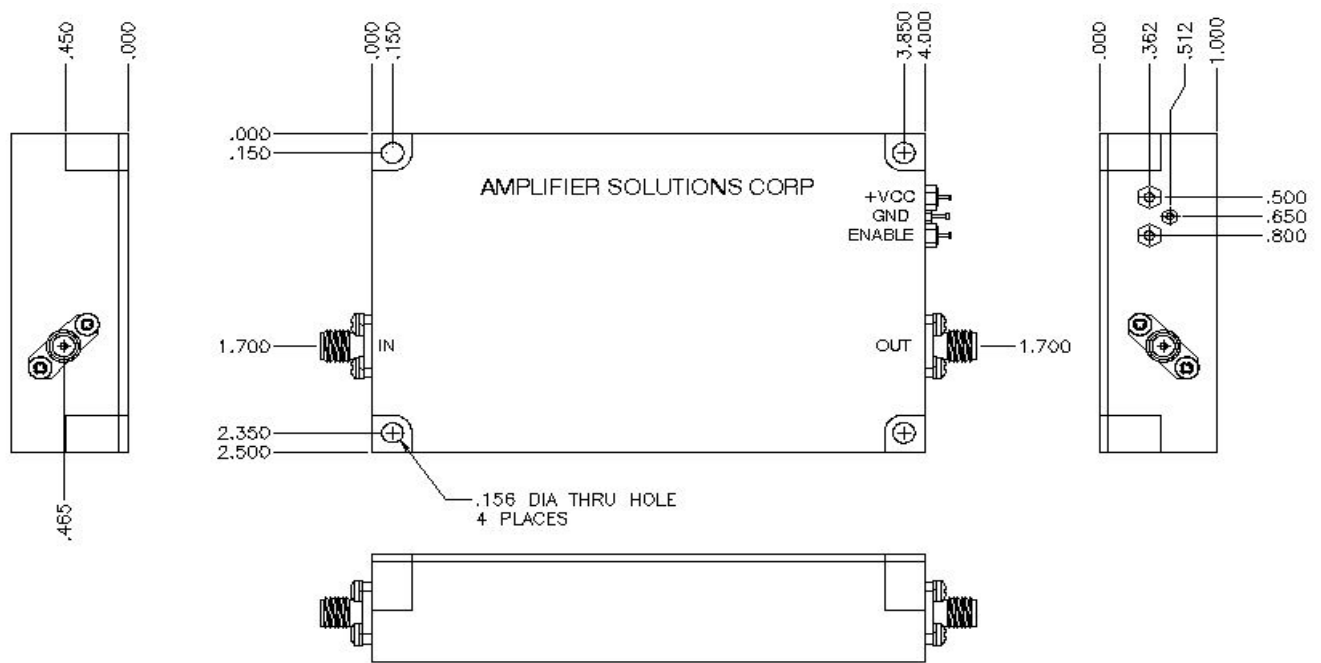


3009 Old State Road Telford, PA 18969

Web: www.amplifiersolutions.com
Email: sales@amplifiersolutions.com

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

Outline



3009 Old State Road Telford, PA 18969

Web: www.amplifiersolutions.com
Email: sales@amplifiersolutions.com

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