

Gain Control Module

- * Operating Frequency : 20 - 6000 MHz.
- * Saturated Power : +33 dBm, 35 typ
- * Noise Figure : 3.0 dB. typ
- * Gain : 16 dB.
- * Operation Up To 28 Volts¹
- * No external components required



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

ELECTRICAL SPECIFICATION @ VDD= +28, -5VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		6000	MHz.
Gain	G	14	16	19	dB.
Gain Flatness	Δ G		±2.0	±2.5	dB.
Power Added Efficiency	PAE		30		%
Power Output	Psat	33	35		dBm.
Output 3rd Order Intercept Point	OIP3	30	32		dBm.
2nd Harmonic @ +30dBm	HIP2	-15	-25		dBc.
Return Loss in/out	S11/S22	5	10		dB.
Operating Voltage ¹	Vdc		+28, -5		Volt
Operating Current	Idq		150	400	mA.

Note 1: Also Available In A Single +30V Supply

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2.0 x 1.0 x 0.5		
RF Connectors IN/OUT	SMA-F Field Replaceable		
DC Connector	Filtered DC		

PROTECTIONS

	Max	
RF Input Power	26	dBm.
Reverse Polarity Protection		
Load VSWR	5:01	RATIO
Stability	Unconditional	

ENVIROMENTAL CHARACTERISTICS

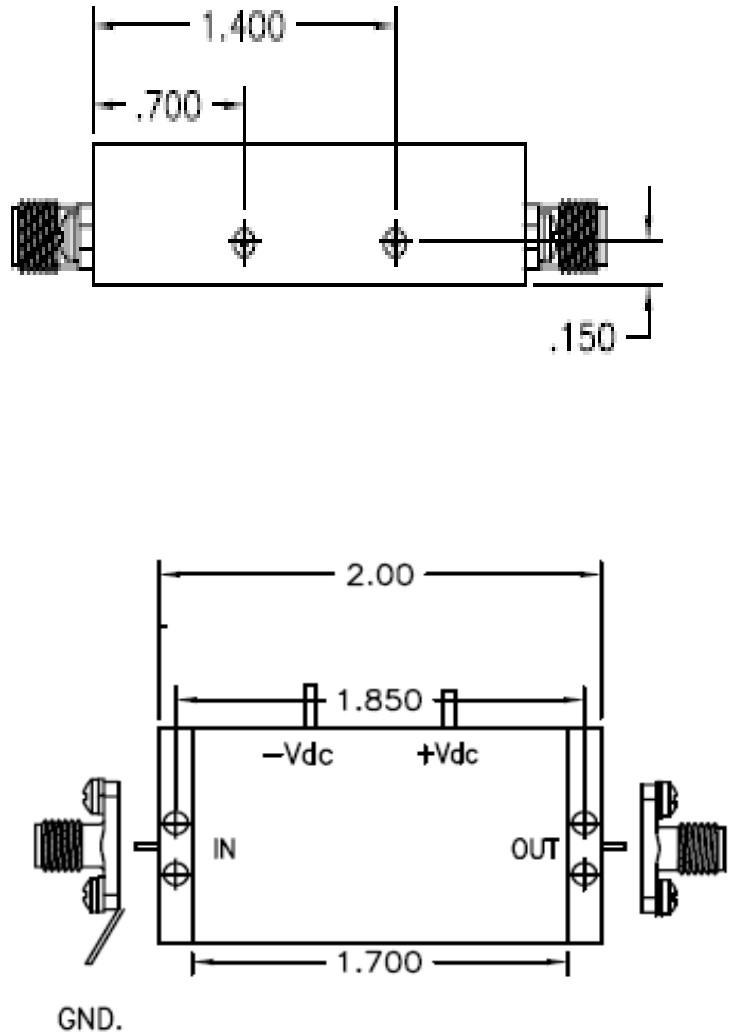
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		75	°C
Storage Temperature	Tstg	-55		150°C	°C

3009 Old State Rd, Telford, PA 18969

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 Email: sales@amplifiersolutions.com

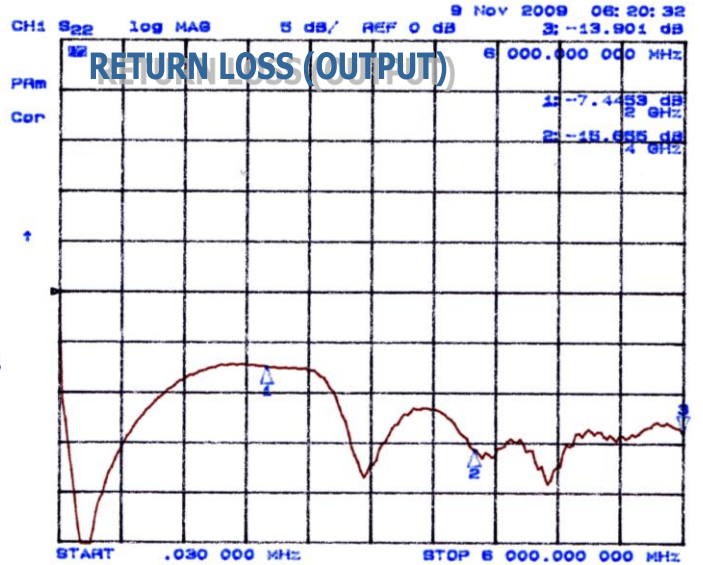
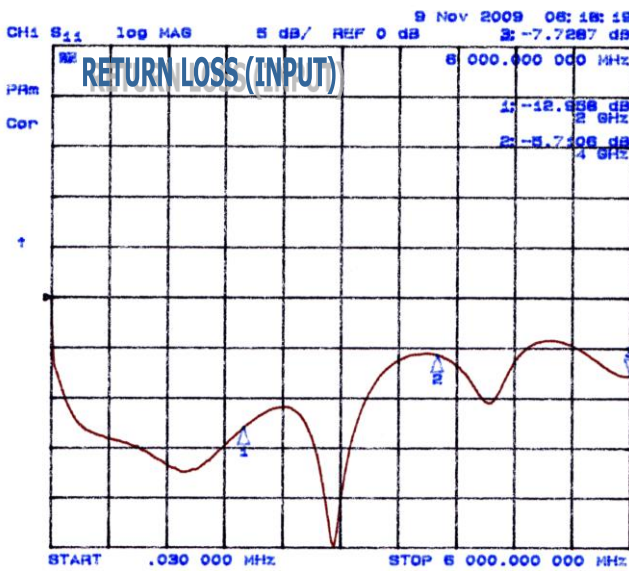
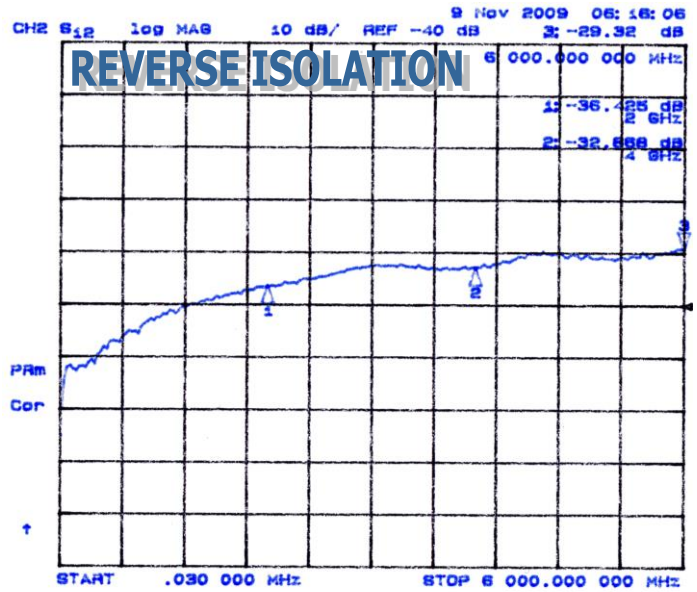
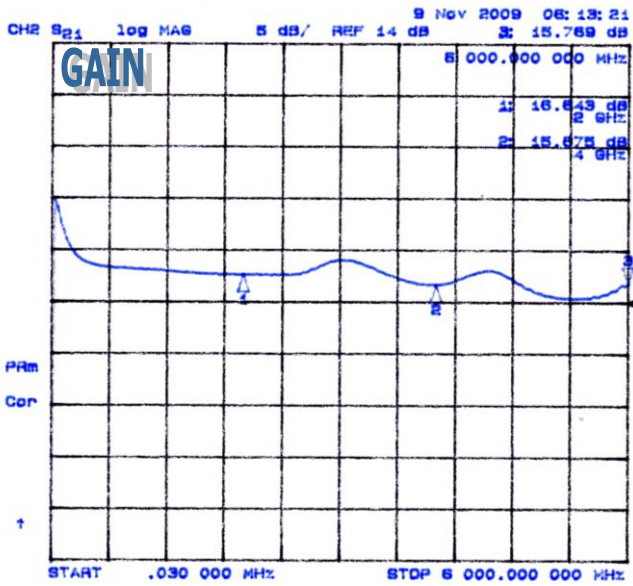
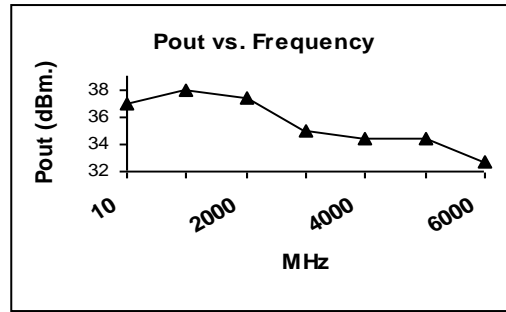
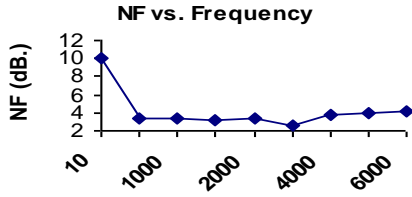
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Outline Drawing



TURN ON/OFF AMPLIFIER

- ON** APPLIED -5V BEFORE +28V
- OFF** SHUT OFF +28V BEFORE -5V



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