

## Power RF Amplifier

- \* Operating Frequency : 50-400 MHz.
- \* Power Output: 65 Watts
- \* Gain : 45 dB.
- \* Operation 24 Volts
- \* Single, Un-Regulated Supply
- \* No external components required



**Description:** 2 Way Radio,Radar,Jammer, Test Instrumentation, All Purpose Power Amp

**ELECTRICAL SPECIFICATION @ VDD= +24 VDC Temp. = 25°C, 50Ω System**

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	50		400	MHz.
Gain	G	42	45		dB.
Gain Flatness	$\Delta G$		$\pm 5$	$\pm 1.0$	dB.
Power Output	P 1 dB	60	65		Watts
Return Loss in/out	S11/S22		1.8:1	2.5:1	Ratio
Operating Voltage	Vdc		24		Volt
Operating Current			5	6.00	A

**MECHANICAL SPECIFICATION**

Parameter	Description	Limits	Units
Dimension	4x2.5x1.0		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		

**PROTECTIONS**

Parameter	Max	Units
RF Input Power	8	dBm.
RF Output Power	50	dBm.
Load VSWR	5:01	RATIO
Stability	Unconditional	

**ENVIROMENTAL CHARACTERISTICS**

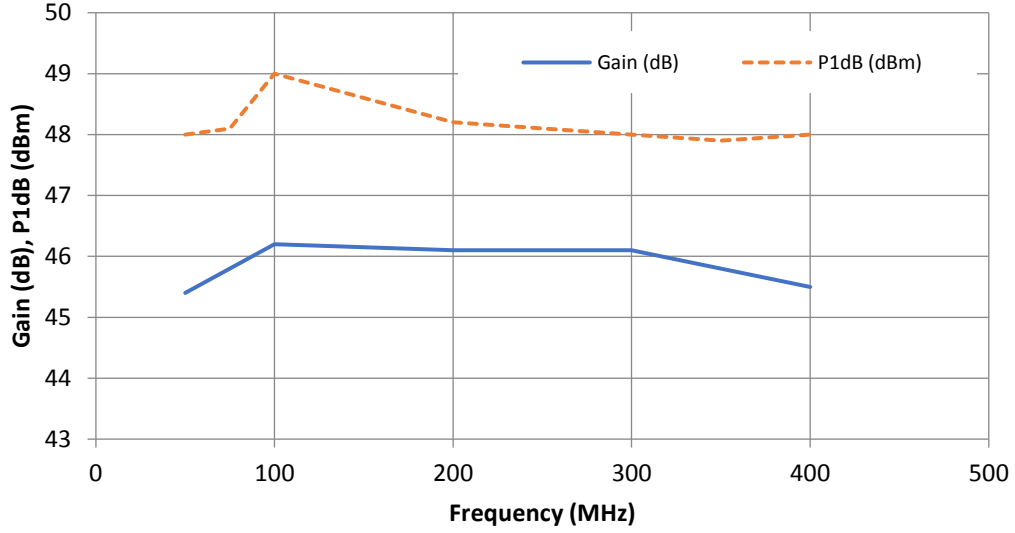
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		70	°C
Storage Temperature	Tstg	-55		125°C	°C

3009 Old State Road, Telford, PA 18969

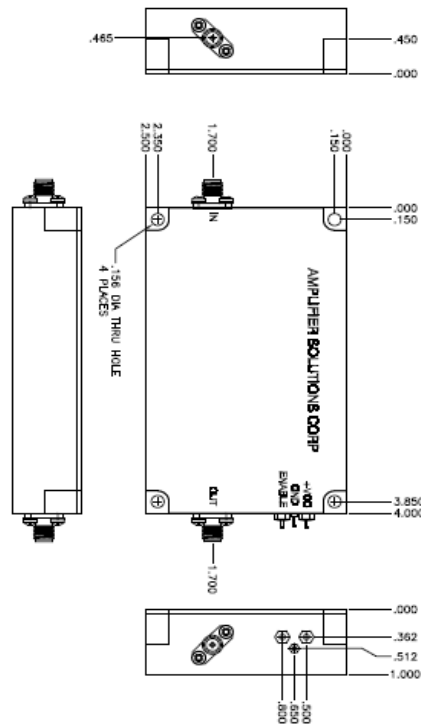
Web: [www.amplifiersolutions.com](http://www.amplifiersolutions.com)  
 Email: [sales@amplifiersolutions.com](mailto:sales@amplifiersolutions.com)

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

**Typical Performance**



**Outline**

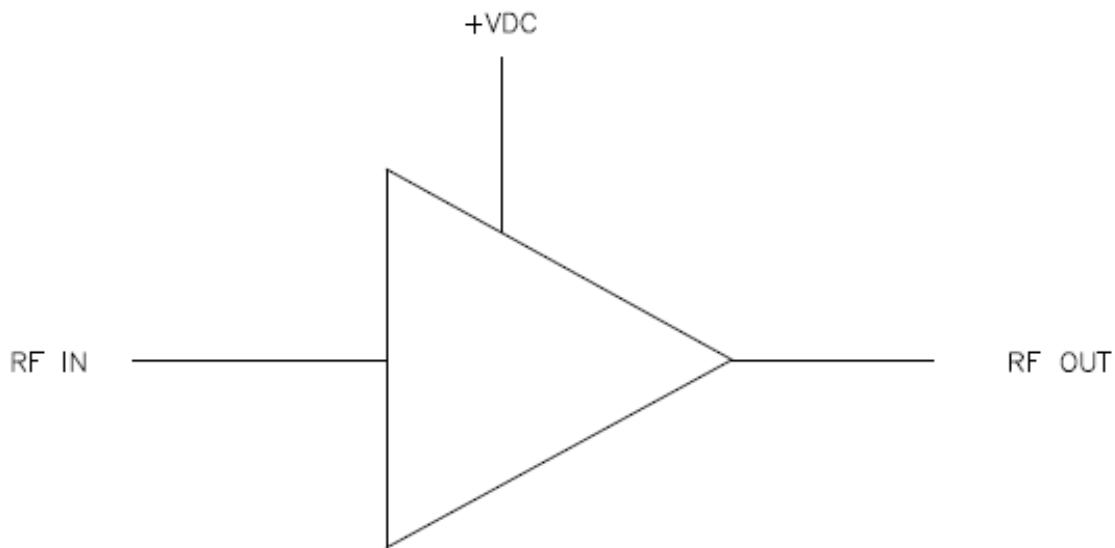


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FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED

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