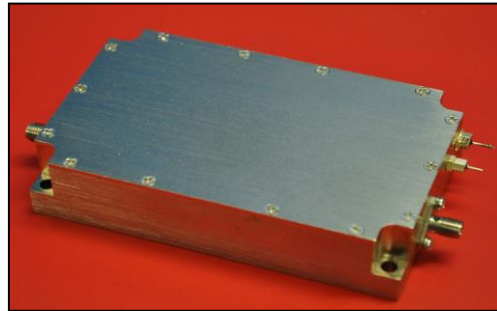


Power RF Amplifier

- * Operating Frequency : 335-535 MHz.
- * Power Output: 20 Watts
- * Gain : 36 dB.
- * Operation 28 Volts
- * Single, Un-Regulated Supply
- * No external components required



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

ELECTRICAL SPECIFICATION @ VDD= +28 VDC Temp. = 10-50°C baseplate, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	335		535	MHz.
Gain	G	34	36	39	dB.
Gain Flatness	Δ G		±0.5	±0.75	dB.
Power Output	P 1 dB	18	25		Watts
Input return loss	S11		1.8:1	2.3	Ratio
Operating Voltage	Vdc	27	28	33	Volt
Operating Current	Id		3.5	4.5	A
RF Output Blanking, 90% Rise Time	Ton		3	5	uSec
RF Output Blanking, 90% Fall Time	Toff		0.5	1	uSec

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
RF Connectors IN/OUT	SMA-F		
Power and control Connectors	Filtered DC		

PROTECTIONS

Parameter	Max	Units
RF Input Power	13	dBm.
Load VSWR	5:01	RATIO
Stability	Unconditional	

ENVIROMENTAL CHARACTERISTICS

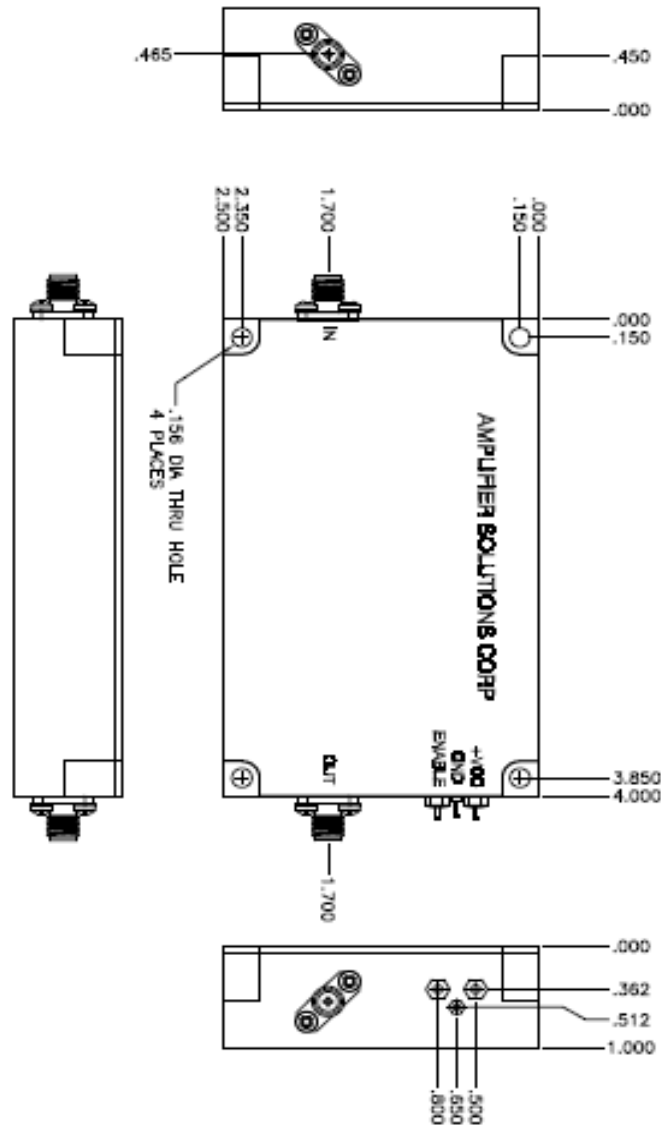
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		70	°C
Storage Temperature	Tstg	-55		125°C	°C

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 Fax: 215-799-2563

Outline Drawing

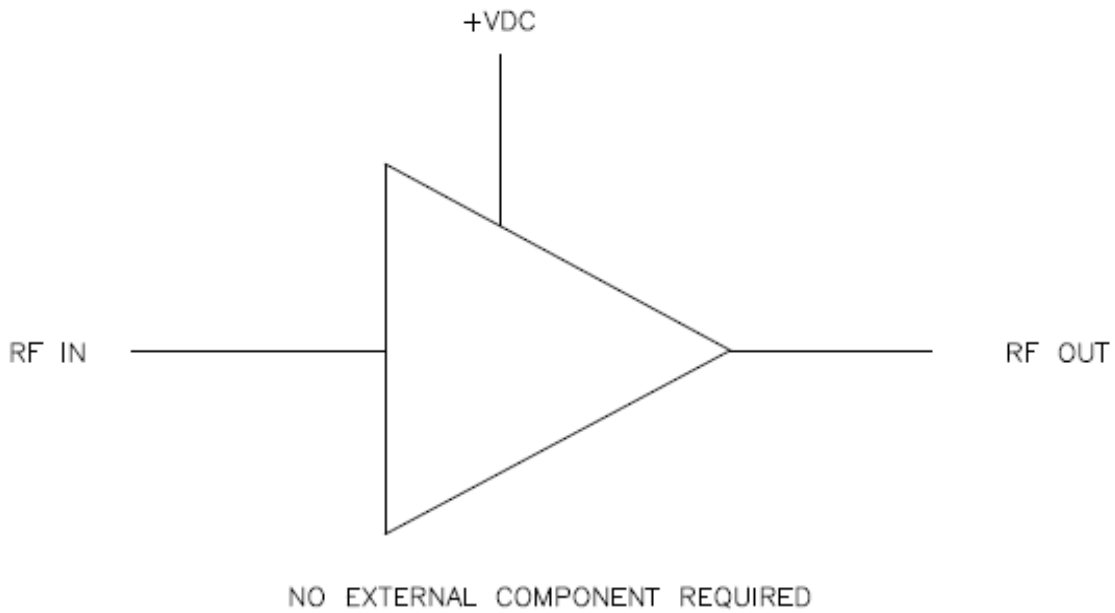


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FUNCTIONAL BLOCK DIAGRAM



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