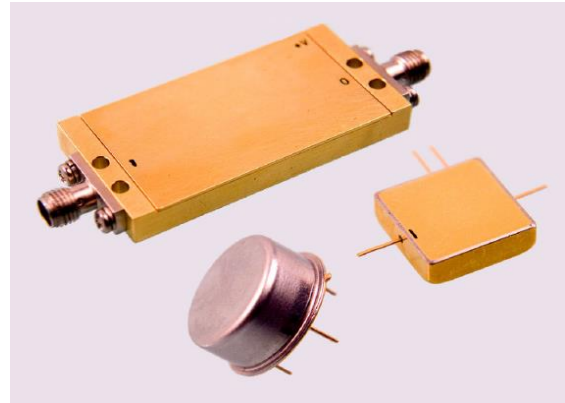


## RF Amplifier

- \* Operating Frequency : 10-3000 MHz.
- \* Gain : 25 dB.
- \* Low Noise: 2.5 dB.
- \* No external components required



### ELECTRICAL SPECIFICATION @ VDD= +12 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	10		3000	MHz.
Gain	G	23	25	24	dB.
Gain Flatness	$\Delta G$		$\pm 0.7$	$\pm 1.0$	dB.
R. Isolation	S12	40			dB.
Noise Figure	N.F.		2.5	3	dB.
Output Power	P 1dB	15	16		dBm.
Two Tone Intercept @ 10dBm output per tone	IP3	25	30		dBm.
VSWR in/out	S11/S22		1.8:1	2.0:1	Ratio
Operating Voltage	Vdc		12		Volt
Operating Current	Id		250	300	mA.

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	SMA Housing		
Cooling	None		
Monitor Connector	None		

### PROTECTION

		Max	
RF Input Power		10	dBm.
Reverse Polarity Protection	N/A		
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

### ENVIRONMENTAL CHARACTERISTICS

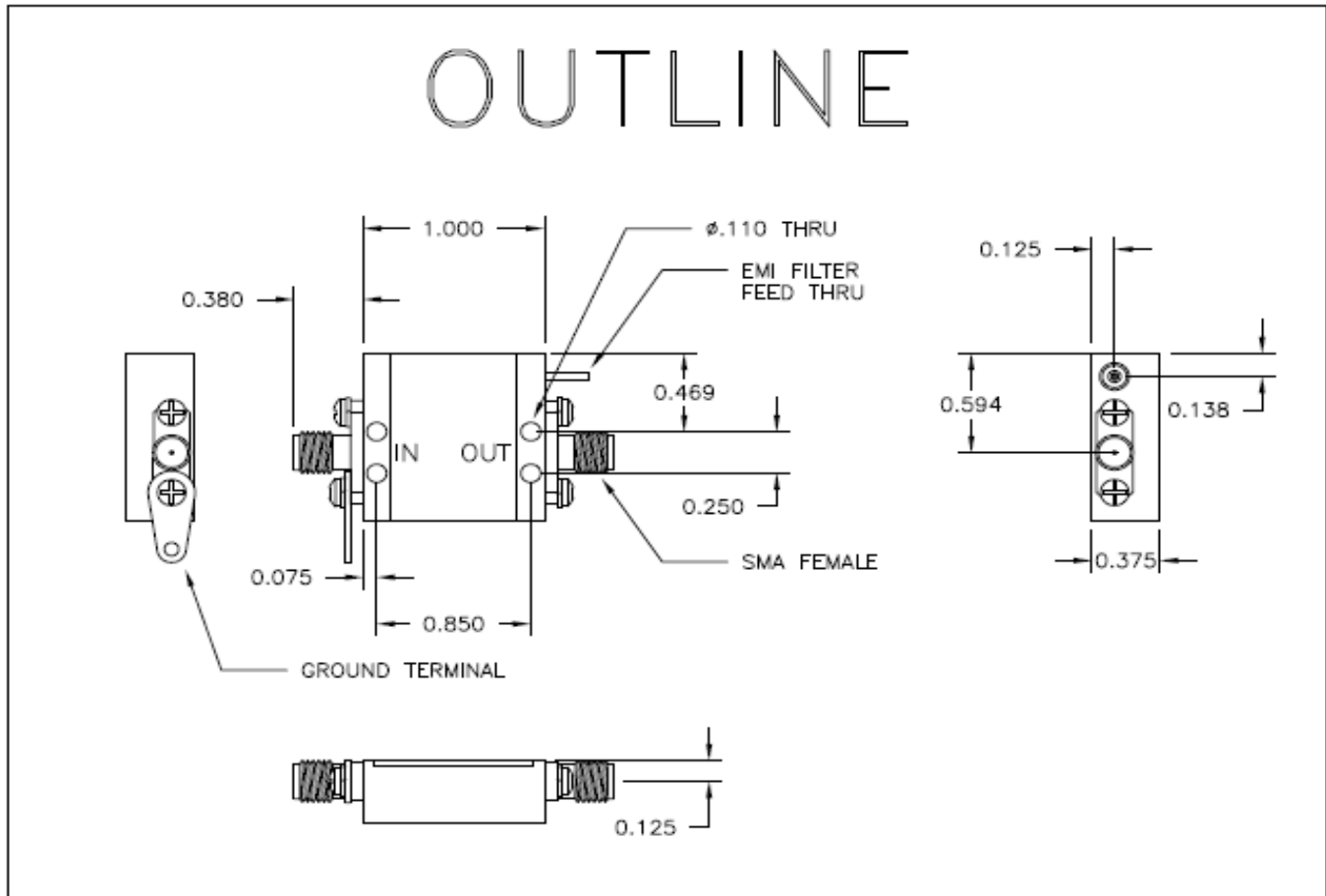
Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0		50	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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 Fax: 215-799-2563

# Outline Drawing

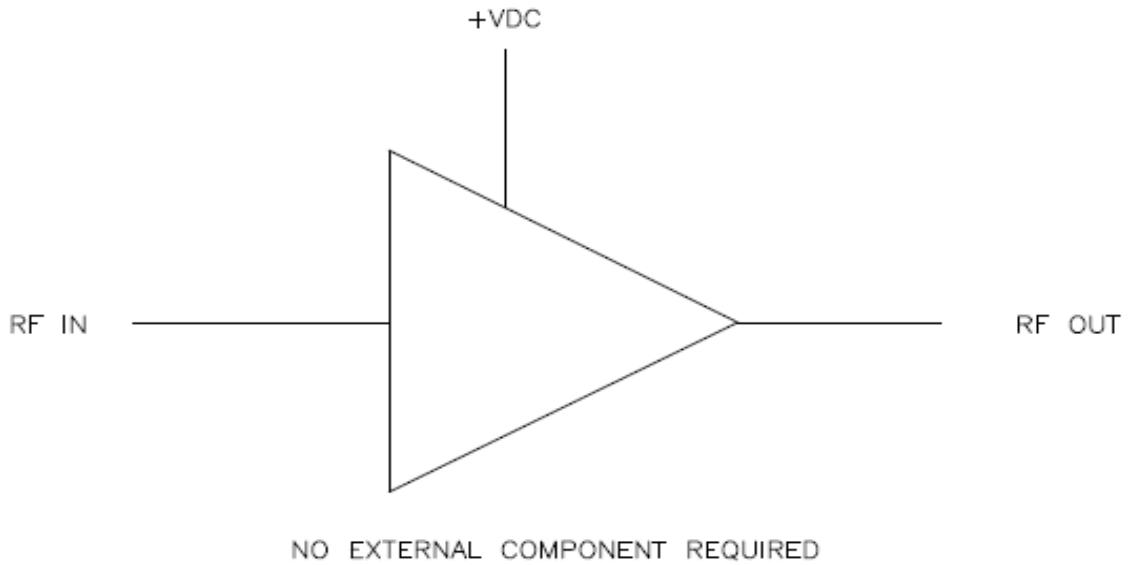


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FUNCTIONAL BLOCK DIAGRAM



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