

Wide Band RF Amplifier

- * Operating Frequency : 2.0-3.3 GHz
- * Saturated Power : 5 W Psat Typical
- * Gain : 20 dB
- * Optional with single voltage supply
- * No external components required



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	2.4		2.5	GHz.
Gain	G	19	20		dB.
Gain Flatness	Δ G		±0.3	±0.4	dB.
Power Output	Psat	36	37		dBm.
Return Loss in/out	S11/S22		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		28/ -5		Volt
Operating Current Idq	Idq		1800	2000	mA.

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2x1x0.5		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		

PROTECTIONS

	Max	
RF Input Power	19	dBm.
Reverse Polarity Protection	Optional	
Load VSWR	5:01	RATIO
Stability	Unconditional	

ENVIROMENTAL CHARACTERISTICS

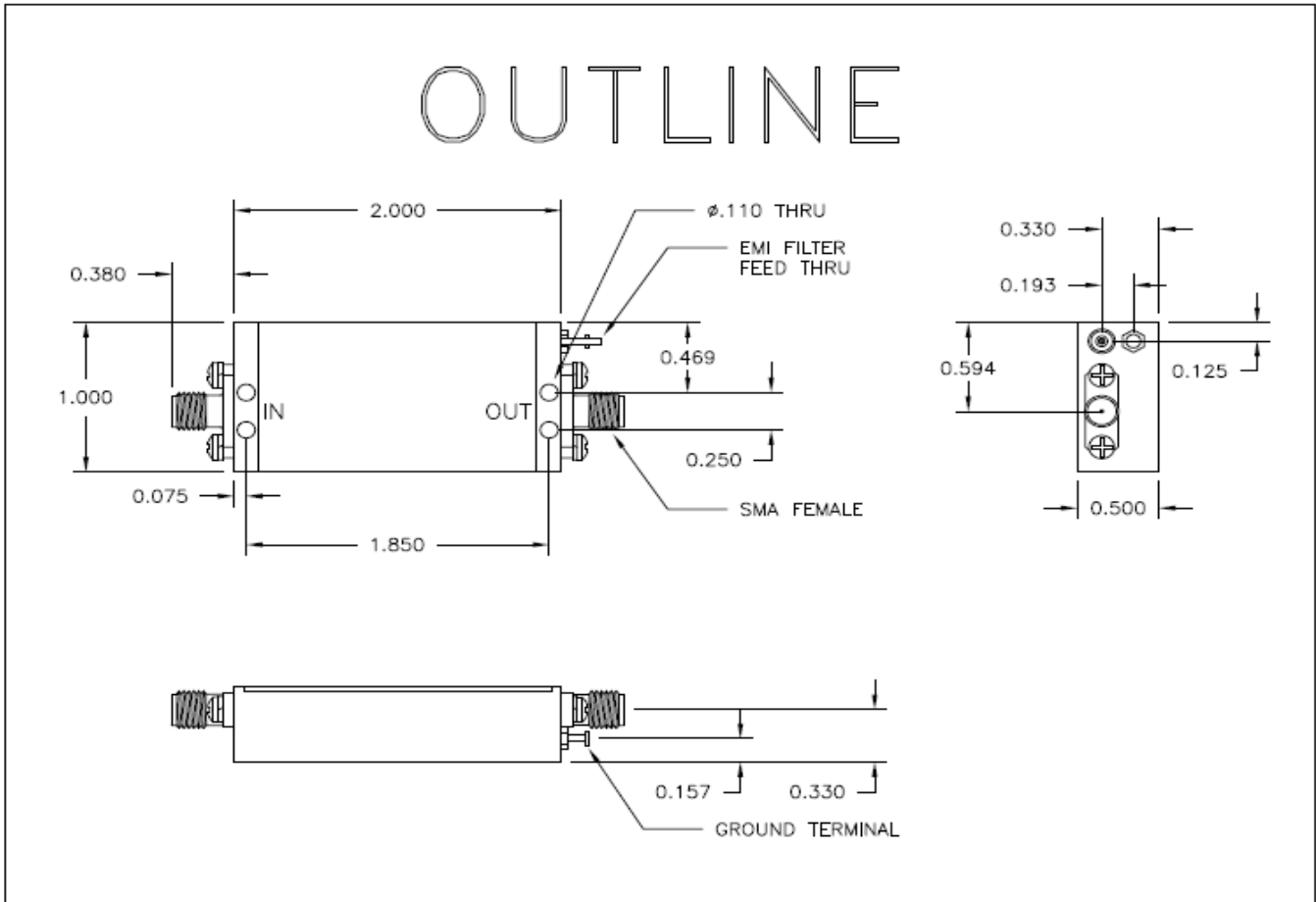
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		75	°C
Storage Temperature	Tstg	-55		125°C	°C

3009 Old State Road, Telford, PA 18969

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Outline Drawing

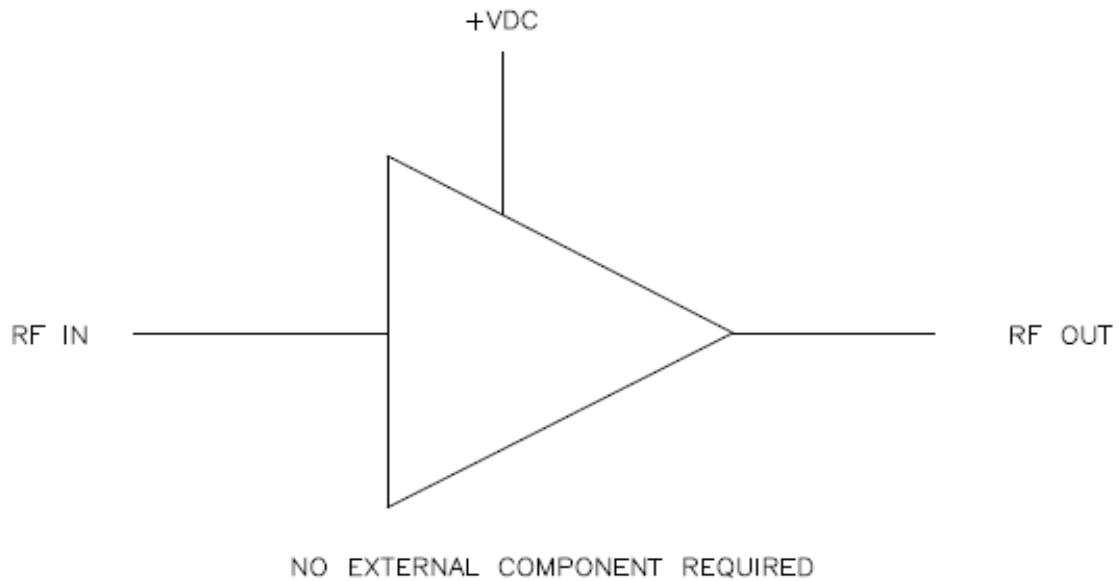


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FUNCTIONAL BLOCK DIAGRAM



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