

0.1 ~ 18.0 GHz Low Noise Amplifier



Key Features:

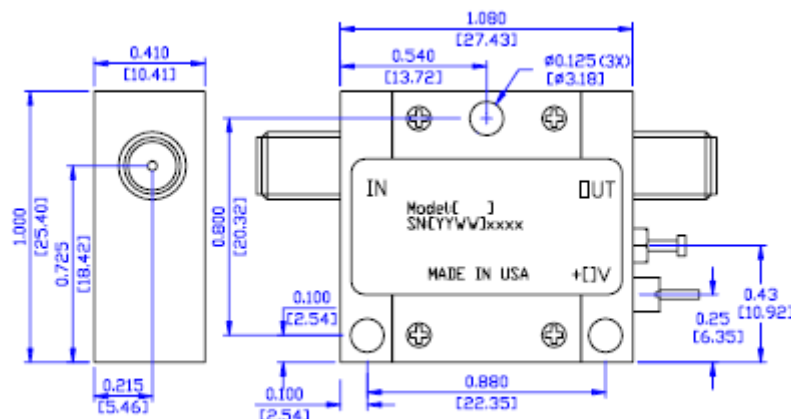
Broad Frequency Range:	0.1 ~ 18.0 GHz
High Gain:	28 dB
Low NF:	3.0 dB (typical), 5.0 dB (max)
High P1dB:	15 dBm (typ)
Single DC Supply:	+15V @ 150mA
Connectors:	SMA Female

Photo not available

Electrical Specifications¹: (at +25°C)

Testing Item	Symbol	Test Conditions	Min	Nom	Max	Unit
Frequency Range	BW		0.1		18.0	GHz
Gain	S21	0.1 ~ 18.0 GHz		28		dB
Gain Flatness	ΔG	0.1 ~ 18.0 GHz		+/-1.5		dB
Noise Figure	NF	0.1 ~ 18.0 GHz		3.0	5.0	dB
Reverse Isolation	S12	0.1 ~ 18.0 GHz		TBD		dB
VSWR		0.1 ~ 18.0 GHz			2:1	
Power at 1dB Gain Compress	P1dB	0.1 ~ 18.0 GHz		15		dBm
DC Voltage	Vd			+15		Volt
DC Current	Id			150		mA
Operating Temperature			-40		+70	°C
Impedance		0.1 ~ 18.0 GHz		50		ohm

Outline Drawing (not scaled)



¹ Specifications are subject to change without notice.

Ordering Information

Part Number	RLAC001180A
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Internal Richardson Document #	Origination Date: March 2008	Rev: 2A Date: March 2011	Page 2/2
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