

6 ~ 18 GHz Broadband Low Noise Amplifier¹

Key Features:

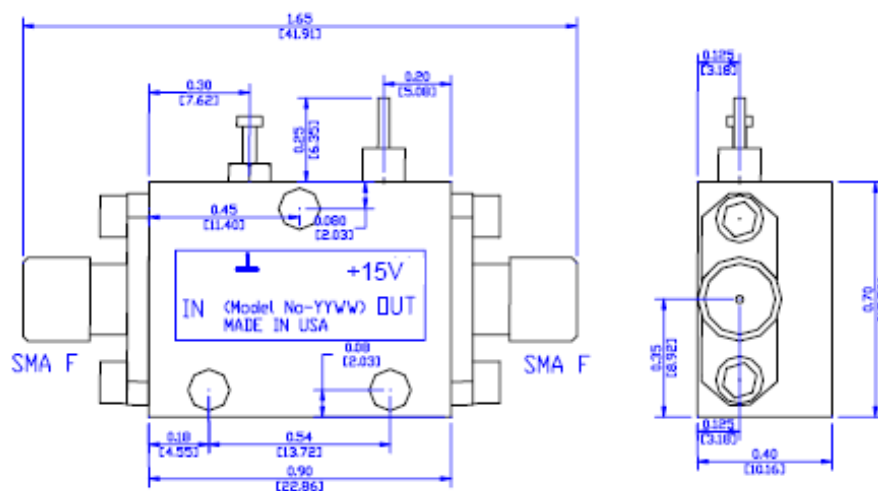
Broad Frequency Range:	6 ~ 18 GHz
High Gain:	22 dB
Low Noise Figure	2.0 dB
P _{1dB}	10 dBm
Single DC Supply:	60 mA @ +15V
Connectors:	SMA (F)
Built-in Functions:	TBD

Photo not available

Electrical Specifications: (at +25 °C)

Testing Item	Symbol	Test Constraints	Min	Nom	Max	Unit
Frequency Range	BW		6		18	GHz
Gain	S ₂₁	6 ~ 18 GHz		22		dB
Gain Variation	ΔG	6 ~ 18 GHz		+/- 1.0	+/- 1.3	dB
Input Return Loss	S ₁₁	6 ~ 18 GHz	-7	-12		dB
Output Return Loss	S ₂₂	6 ~ 18 GHz	-7	-12		dB
Reverse Isolation	S ₁₂	6 ~ 18 GHz	-30	-40		dB
Noise Figure	NF	6 ~ 18 GHz		2.0	2.5	dB
Output Power @ 1dB Compression	P _{1dB}	6 ~ 18 GHz	9	10		dB
Current Consumption	I _{dd}	V _{dd} = +15 V	50	60	70	mA
Power Supply Voltage	V _{dd}			+15		V
Operating Temperature	T _o		-40		+85	°C
Maximum Average RF Input Power	P _{IN, MAX}	6 ~ 18 GHz			10	dBm
Weight				20	25	Gram

Outline Drawing:



¹ Specifications are subject to change without notice.

Ordering Information

Part Number	RLAC060180A
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