

### 0.8 ~ 2.2 GHz Wideband Low Noise Driver Amplifier<sup>1</sup>

#### Key Features:

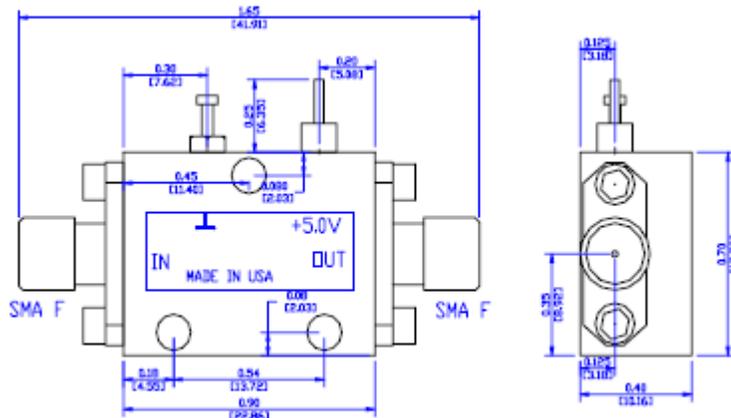
Broad Frequency Range:	0.8 ~ 2.2 GHz
High Gain:	17 dB
Low Noise Figure	0.8 dB
P <sub>1dB</sub>	18 dBm (min)
Single DC Supply:	60 mA @ +5V
Connectors:	SMA (F)
Built-in Functions:	TBD

Photo not available

#### Electrical Specifications: (at +25 °C)

Testing Item	Symbol	Test Constraints	Min	Nom	Max	Unit
Gain	S <sub>21</sub>	0.8 ~ 2.2 GHz	14.5	17	20.5	dB
Gain Variation	ΔG	0.8 ~ 2.2 GHz			+/- 3.0	dB
Input VSWR	S <sub>11</sub>	0.8 ~ 2.2 GHz	16			dB
Output VSWR	S <sub>22</sub>	0.8 ~ 2.2 GHz	16			dB
Reverse Isolation	S <sub>12</sub>	0.8 ~ 2.2 GHz	17			dB
Noise Figure	NF	0.8 ~ 2.2 GHz		0.8	1.1	dB
Output Power @ 1dB Compression	P <sub>1dB</sub>	0.8 ~ 2.2 GHz	17	18		dBm
Output IP3	IIP <sub>3</sub>	2-tone, +5 dBm per tone, 1 MHz spacing	32	34		dBm
Current Consumption	I <sub>dd</sub>	V <sub>dd</sub> = +5 V		60		mA
Power Supply Voltage	V <sub>dd</sub>		+4.5	+5		V
Operating Temperature	T <sub>o</sub>		-55			°C
Average RF Input Power	P <sub>IN, MAX</sub>					dBm
Thermal Resistance	R <sub>th,c</sub>	0.8 ~ 2.2 GHz				°C/W

#### Outline Drawing (not scaled):



<sup>1</sup> Specifications are subject to change without notice.

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## Ordering Information

<b>Part Number</b>	RLAC0822A
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