

0.8 ~ 2.2 GHz Wideband Low Noise Driver Amplifier¹

Key Features:

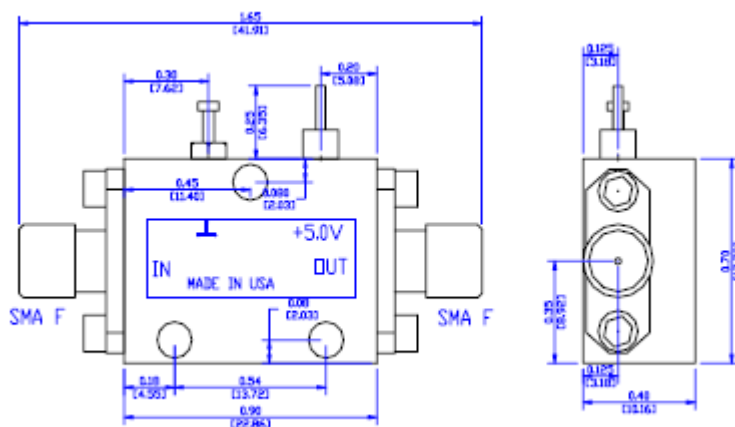
Broad Frequency Range:	0.8 ~ 2.2 GHz
High Gain:	17 dB
Low Noise Figure	0.8 dB
P _{1dB}	18 dBm (min)
Single DC Supply:	60 mA @ +5V
Connectors:	SMA (F)
Built-in Functions:	TBD

Photo not available

Electrical Specifications: (at +25 °C)

Testing Item	Symbol	Test Constraints	Min	Nom	Max	Unit
Gain	S ₂₁	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 ₁₁	0.8 ~ 2.2 GHz	16			dB
Output VSWR	S ₂₂	0.8 ~ 2.2 GHz	16			dB
Reverse Isolation	S ₁₂	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 _{1dB}	0.8 ~ 2.2 GHz	17	18		dBm
Output IP3	IIP ₃	2-tone, +5 dBm per tone, 1 MHz spacing	32	34		dBm
Current Consumption	I _{dd}	V _{dd} = +5 V		60		mA
Power Supply Voltage	V _{dd}		+4.5	+5		V
Operating Temperature	T _o		-55			°C
Average RF Input Power	P _{IN, MAX}					dBm
Thermal Resistance	R _{th,c}	0.8 ~ 2.2 GHz				°C/W

Outline Drawing (not scaled):



¹ Specifications are subject to change without notice.

Ordering Information

Part Number	RLAC0822A
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