

0.45 ~ 3.8 GHz Low Noise Amplifier



Key Features:

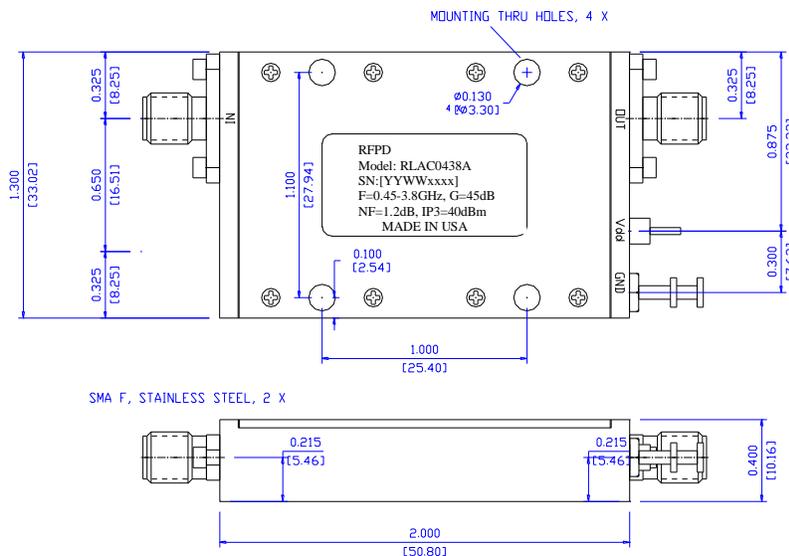
- Broad Frequency Range: 0.45 ~ 3.8 GHz
- High Gain: 44 dB
- Low NF: 1.20 dB (typical)
- High OIP3: 40 dBm (typical)
- Single DC Supply: +11V to +15V @ 230 mA
- Connectors: SMA Female

Photo not available

Electrical Specifications: (at +25° C)

Testing Item	Symbol	Test Conditions	Min	Nom	Max	Unit
Frequency Range	BW		0.45		3.8	GHz
Gain	S21	0.45 ~ 3.8 GHz	43	44	46.5	dB
Gain Flatness		0.45 ~ 3.8 GHz, per every 20MHz		+/- 1.0	+/-1.3	dB
Gain Vs. Temperature		0.45 ~ 3.8 GHz			0.02	dB/°C
Noise Figure	NF	0.45 ~ 3.8 GHz		1.2	1.5	dB
VSWR		0.45 ~ 3.8 GHz		1.5:1	1.8:1	
Power at 1dB Gain Compress	P1dB	0.45 ~ 3.8 GHz	22	24		dBm
Third Order Intercept Point	OIP3	0.45 ~ 3.8 GHz	36	40		dBm
Second Order Intercept Point	OIP2	0.45 ~ 3.8 GHz	45	47		dBm
DC Voltage			+11		+15	Volt
DC Current				230		mA
Operating Temperature			-40		+85	°C
Impedance				50		ohm

Outline Drawing (not scaled)



Available exclusively from Richardson RFPD - 800-737-6937 (U.S. & Canada) - 630-208-2700 (International)
Or visit www.richardsonrfpd.com. See important product notice on last page of this document.

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Ordering Information

Part Number	RLAC0438A
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