

# 2000 MHz to 6000 MHz Low Noise Amplifier 🚎

#### **Key Features:**

Photo Not Included

**Advanced** 

**RLAS2060A** 

50 Ohm ImpedanceBroad Frequency Range:2000 - 6000 MHzHigh Gain:25 dBLow NF:0.9 dB (typical)Low Power Consumption:40mA @ 5VPackage:Surface Mount - 0.35" x 0.25" x 0.085"

# Electrical Specifications<sup>1</sup>: (at +25°C)

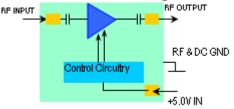
Testing Item	Symbol	Test Conditions	Min	Nom	Max	Unit
Frequency Range	BW		2		6	GHz
Gain	S21	2000 to 6000 MHz		25		dB
Gain Flatness	$\Delta G$	2000 to 6000 MHz		+/-1.5		dB
Noise Figure	NF	2000 to 6000 MHz		0.9	1.1	dB
Input/Output VSWR		2000 to 6000 MHz		1.5:1	1.8:1	
Output Power @ 1dB Compression	P1dB	2000 to 6000 MHz	10	12		dBm
Output IP3	OIP3	Two tone +0dBm per tone, 1 MHz separation		22		dBm
DC Voltage			+4.7		+5.3	Volt
DC Current		$V_{dd}$ = +5 V		40		mA

## **Absolute Maximum Ratings**

Units	Ratings
V	6
mA	70
mW	400
dBm	30
°C	150
°C	-65 ~ 150
°C	-40 ~ 85
	V mA mW dBm °C °C

Operation of this device above any one of these parameters may cause permanent damage.

## **Functional Block Diagram**



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



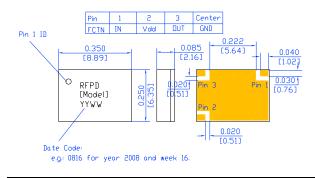
# RLAS2060A Advanced

#### **Ordering Information**

**Model Number** 

RLAC0438C

#### Outline Drawing (not scaled)



#### **Richardson RFPD, Inc.**

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