ANALOG DEVICES

AHEAD OF WHAT'S POSSIBLE™

AD8422 Data Sheet Revision

Rev B to Rev C

AD8422 Data Sheet Change Description

- **Features (page1)**

FEATURES

- Low power: 368 µA maximum quiescent current
- Rail-to-rail output

- **Table 1 (page 6)**

POWER SUPPLY							
Operating Range	Dual-supply operation	±2.3		±18	±2.3		±18	V
	Single-supply operation	4.6		36	4.6		36	V
Quiescent Current			338	368		338	368	µA
Over Temperature	T = −40°C to +85°C			400			400	µA

Table 2 (Page 9)

POWER SUPPLY							
Operating Range	Dual-supply operation	±2.3		±18	±2.3		±18	V
	Single-supply operation	4.6		36	4.6		36	V
Quiescent Current			338	368		338	368	µA
Over Temperature	T = −40°C to +85°C			400			400	µA

Table 3 (page 12)

Table 3.

Parameter	Test Conditions/Comments	Min	Typ	Max	Unit
POWER SUPPLY					
Operating Range	Dual-supply operation	±2.3		±18	V
	Single-supply operation	4.6		36	V
Quiescent Current			338	368	µA
Over Temperature	T = −40°C to +125°C			450	µA

Table 7 (Page 14)

Table 7. Pin Function Descriptions

Pin No.	Mnemonic	Description
1	−IN	Negative Input Terminal.
2, 3	R_G	Gain Setting Terminals. Place resistor across the R_G pins to set the gain. G = 1 + (19.8 kΩ/R_G).
4	+IN	Positive Input Terminal.
5	$-V_S$	Negative Power Supply Terminal.
6	REF	Reference Voltage Terminal. Drive this terminal with a low impedance voltage source to level shift the output.
7	V_{OUT}	Output Terminal.
8	$+V_S$	Positive Power Supply Terminal.
	EPAD	Exposed Pad. Connect the exposed pad to $-V_S$ or leave it unconnected.

Final description should be:

"Gain Setting Terminals. Place resistor across the RG pins to set the gain. G = 1 + (19.8k/RG). Do not connect anything else to these pins. The minimum allowed value of RG is 19.8Ω."