

NEW μ POWER
VERSIONS AVAILABLE

WORLD'S FIRST FACTORY-PROGRAMMABLE GainAmps™ IN SOT23

0.1% Accuracy, Optimized Frequency Compensation, and Low Power!

1 Choose the Gain

GAIN CODE	R _F /R _G INVERTING GAIN (V/V)	NON-INVERTING GAIN (V/V)
AB*	0.25	1.25
AC	0.5	1.5
AD*	1	2
AE	1.25	2.25
AF	1.5	2.5
AG*	2	3
AH	2.5	3.5
AJ	3	4
AK*	4	5
AL	5	6
AM	6	7
AN	8	9
AO*	9	10
BA*	10	11
BB	12.5	13.5
BC	15	16
BD	20	21
BE*	24	25
BF	25	26
BG	30	31
BH	40	41
BJ*	49	50
BK*	50	51
BL	60	61
BM	80	81
BN*	99	100
CA*	100	101

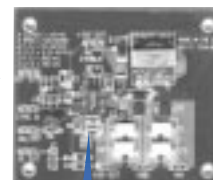
*These gain versions are available as samples and in small quantities.

2 Order a GainAmp

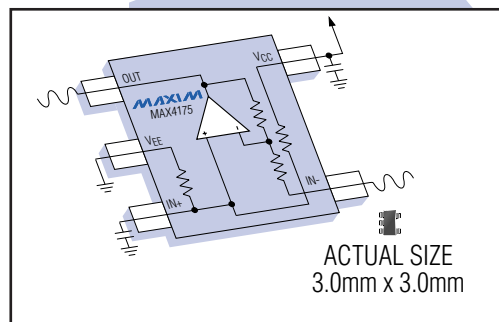
PART	GAIN	INTERNAL V _{CC} /2 BIAS	GAIN-BANDWIDTH PRODUCT (MHz)	NO. OF AMPS PER PACKAGE	PIN-PACKAGE
MAX4074__/ MAX4174__†	Fixed	No	2.1 to 23/ 0.2 to 4.0	1	5-pin SOT23
MAX4175__†	Fixed	Yes	2.1 to 23	1	5-pin SOT23
MAX4075__/ MAX4274__†	Fixed	No	2.1 to 23/ 0.2 to 4.0	2	8-pin μ MAX/SO
MAX4275__†	Fixed	Yes	2.1 to 23	2	8-pin μ MAX/SO
MAX4281/ MAX4076††	Open-loop	No	2/0.2	1	5-pin SOT23, 8-pin SO
MAX4282/ MAX4077††	Open-loop	No	2/0.2	2	8-pin μ MAX/SO
MAX4284/ MAX4078††	Open-loop	No	2/0.2	4	14-pin SO, TSSOP 16-pin QSOP

† Insert the desired Gain Code into the blanks to complete the part numbers.
†† Future Product, contact factory for availability.

3 Drop It In!



- Rail-to-Rail Output
- Internal V_{CC}/2 Bias (MAX4174/MAX4175)
- 0.1% Gain Accuracy
- Low 34 μ A Supply Current
- Frequency Compensation Optimized for Higher Gains



Maxim's new fixed-gain "GainAmp" amplifiers provide the smallest and simplest possible op amp solution by combining precision-trimmed on-chip resistors and a high-performance Rail-to-Rail® op amp in a SOT23 package. Maxim's proprietary trimming technology trims internal resistors to provide 0.1% gain accuracy, so you won't need to. The MAX4076††/MAX4077††/MAX4078††/MAX4281/MAX4282/MAX4284 are open-loop versions of the GainAmp amplifiers.

Rail-to-Rail is a registered trademark of Nippon Motorola, Ltd.

GainAmp is a trademark of Maxim Integrated Products.



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