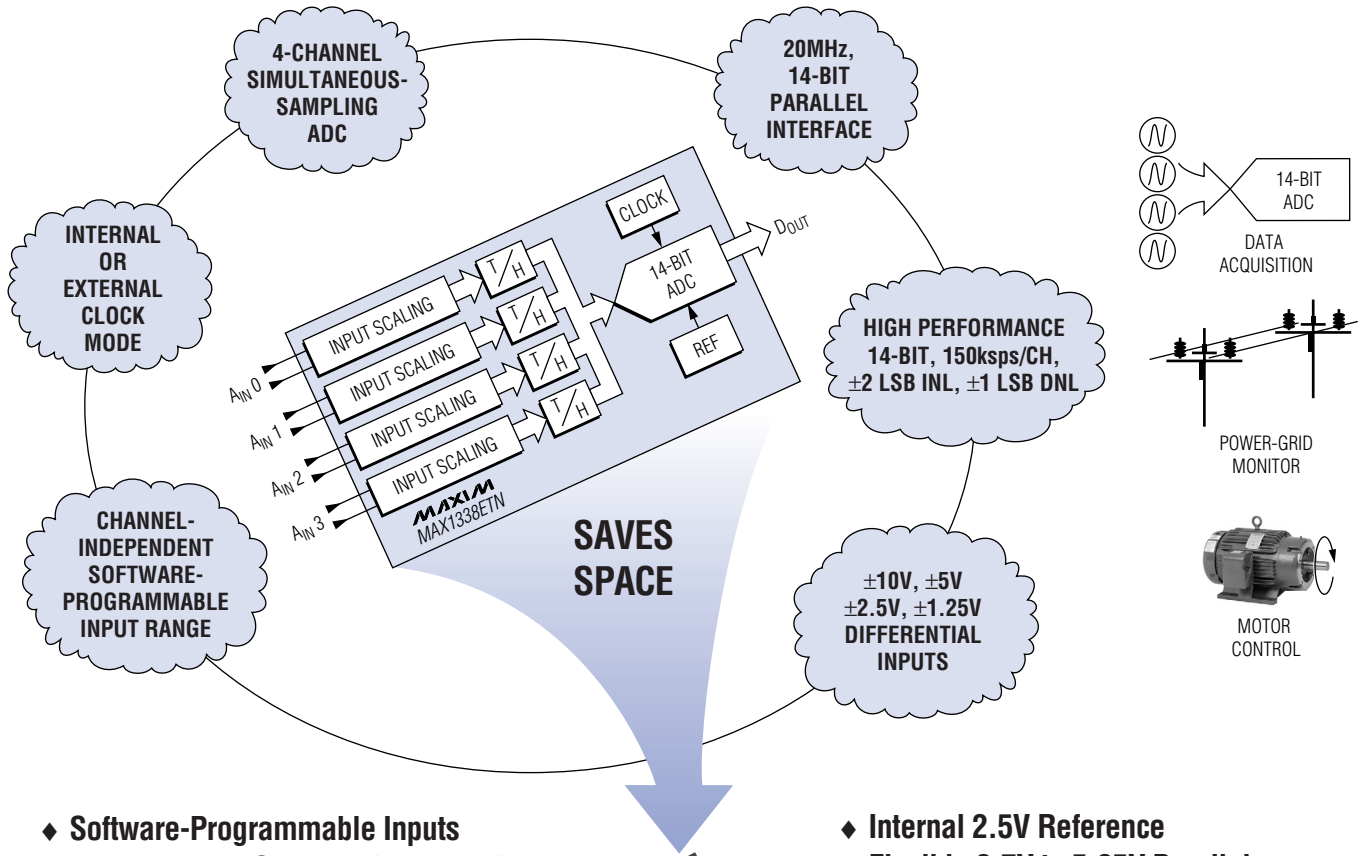


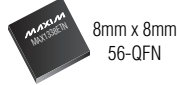
WORLD'S ONLY SIMULTANEOUS-SAMPLING, SOFTWARE-SELECTABLE, INPUT RANGE A/D CONVERTER

Provides Simultaneous Current and Voltage Measurements Required for Motor Control and Power Grid Applications with $\pm 10V$, $\pm 5V$, $\pm 2.5V$, $\pm 1.25V$ Programmable Input Range



- ◆ Software-Programmable Inputs Independently Select $\pm 10V$, $\pm 5V$, $\pm 2.5V$, or $\pm 1.25V$ on Each of the Four Inputs
- ◆ Simultaneous-Sampling ADC

- ◆ Internal 2.5V Reference
- ◆ Flexible 2.7V to 5.25V Parallel Interface
- ◆ Selectable Internal/External Clock



Part	Resolution (Bits)	Speed (kSPS/channel)	INL (LSB)	DNL (LSB)	SNR (dB)	SINAD (dB)	Reference	Programmable Input Range (V)	Pin-Package	Price
MAX1338ETN	14	150	± 2	± 1	75	75	Internal 2.5V/external	± 10 , ± 5 , ± 2.5 , ± 1.25	56-QFN (8mm x 8mm)	*

*Contact factory for pricing and availability.



www.maxim-ic.com/MAX1338

FREE A/D Converters Design Guide—Sent Within 24 Hours!

CALL TOLL-FREE 1-800-998-8800 (6:00 a.m.—6:00 p.m. PT)

For a Design Guide or Free Sample



Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

MAXIM is a registered trademark of Maxim Integrated Products, Inc. DALLAS is a registered trademark of Dallas Semiconductor Corp. © 2004 Maxim Integrated Products, Inc. All Rights Reserved.