



Introducing the Newest Family of isoPower® Products

November 2012



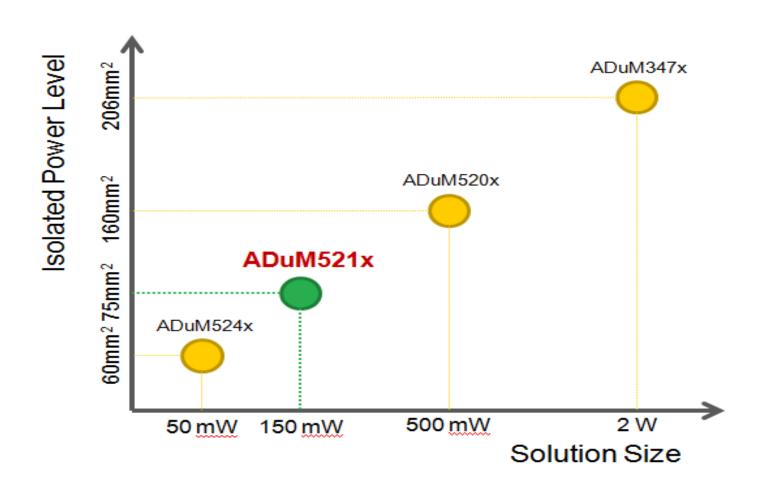
ADI is Expanding the iso Power Portfolio

- Introducing the Newest Versions of Our Popular isoPower Products
 - Smallest and lowest cost iso Power products, yet
 - New features to improve design flexibility and power control
- Better than Traditional Isolated DC/DC Solutions
 - Smaller, higher reliability and lower cost
- New Family Members Now Available
 - 2.5kVrms and 3.75kVrms versions
 - Versions with digital isolators included in the same package



Isolated Power Portfolio Overview

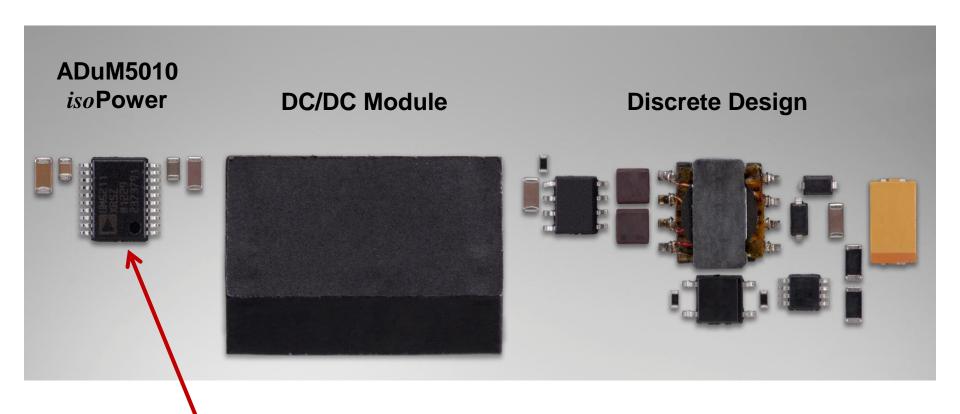
Providing Options for Isolated Power Solutions





Smaller & Easier-to-Use than Other Solutions

Optimizing Size with Application Power Requirements

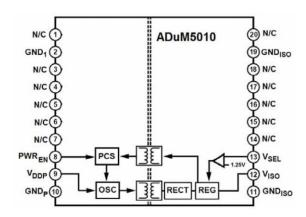


isoPower reduces size and cost by integrating chip-scale transformers



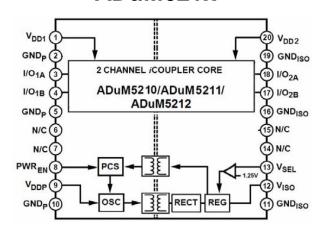
iso Power Available with DC/DC Only or With Integrated Digital Isolator Channels

ADuM5010 ADuM6010



- isoPower with DC/DC Only
 - Adjustable, Regulated V_{ISO}
 - 3.15V to 5.25V
 - ◆ Up to 150mW
 - Power saving Enable feature
 - Soft-start
 - Small SSOP Package
 - Reinforced insulation up to 3.75kV_{rms}

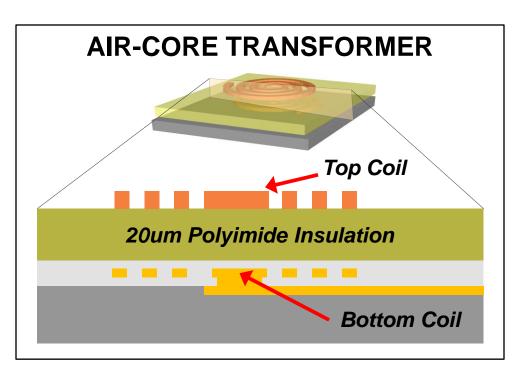
ADuM521x ADuM621x



- isoPower with Isolated Digital Isolator Channels
 - Dual Channel iCoupler Digital Isolators
 - Up to 100 Mbps
 - Lower power
 - Higher reliability than Optocouplers
 - Single Easy-to-use package

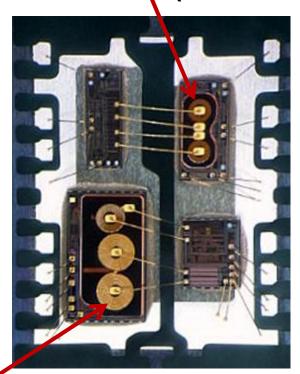


iso Power: Patented Isolated DC/DC Converters and Data in a Single Package



- ◆ 3.75kVrms 1-minute withstand
- ◆ 400V_{RMS} 50-year working voltage

High-Speed Digital Data Isolation (2 Channels)



Isolated DC/DC Converter

ADuM521x



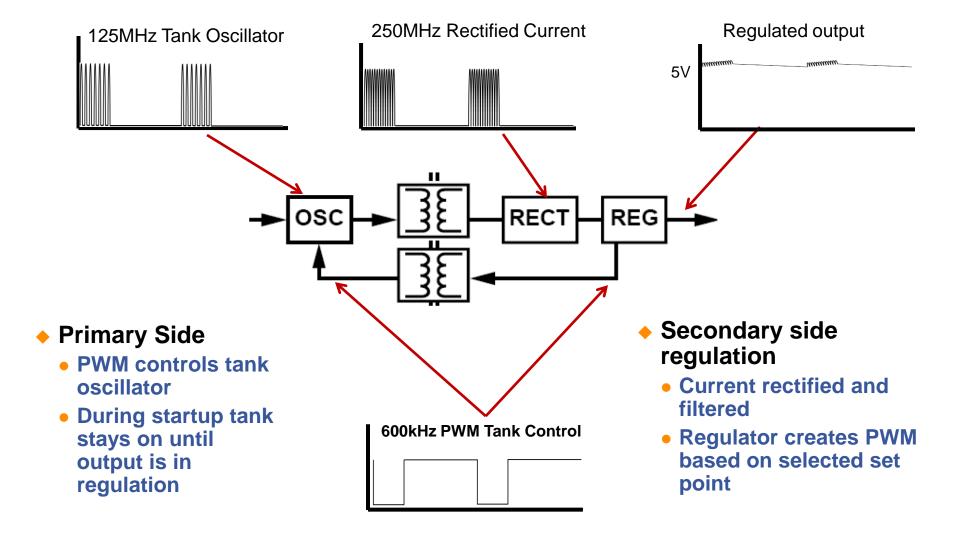
Newly Released Product Family Information

	2.5kVrms	3.75kVrms	Channel Directionality
ADuM5010	X		0
ADuM5210	X		2/0
ADuM5211	X		1/1
ADuM5212	X		0/2
ADuM6010		X	0
ADuM6210		X	2/0
ADuM6211		X	1/1
ADuM6212		X	0/2

- Look for future isoPower products with additional channels and features
- For more information on these and other iso Power products go to www.analog.com/iso Power



How Does iso Power Work?



Many Benefits for Many Applications

Self-contained in One Surface Mount Package

- Simplifies Isolated System Designs
- Reduces Board Space
- Lowers Circuit Costs

Appropriate For These Applications and More...

- Industrial Control
- Test and Measurement
- CommunicationsInfrastructure
- Automotive

- Industrial Motors
- Energy Management
- Power Distribution
- Transportation
- Industrial Test Equipment



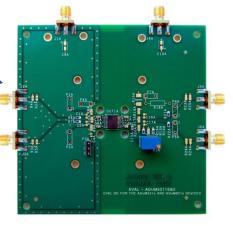
Want Additional iso Power Information?

Visit www.analog.com/isoPower

Resources Available on the Web Include:

- Webcast and Videos
- Application Notes
- Technical Articles
- Regulatory Agency Certifications
- Datasheets
- Evaluation Boards
 - New boards now available
 - ◆ EVAL-ADuM5010EBZ
 - Supports the ADuM5010/ADuM6010
 - ◆ EVAL-ADuM5211EBZ
 - Supports the ADuM521x/621x families







Learn More About iCoupler Digital Isolators

www.analog.com/iCoupler

Resources Available on the Web Include:

- Webcast and Training videos
- Interface and Isolation Newsletter Archives and Subscription Link
- Circuits from the Lab™
- Application Notes
- Technical Articles
- ◆ Digital Isolator Product Selector Guide →
- Regulatory Agency Certifications
- Datasheets
- Evaluation Boards

And Much More!



