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NEWS RELEASE

New CamSemi controller cuts development time for cordless phone power supplies

CamSemi is today announcing a new mixed signal controller to enable the rapid development of simple, low cost, switched mode power supplies (SMPS) for cordless phone and other EMI-sensitive or low power consumer applications.

The new C2471 device will allow designers for the first time to easily and quickly meet the demands of FCC part 68 standard for telecommunication equipment and ENERGY STAR 2.0 for energy-efficiency but without needing costly, complex filtering circuitry or specialist design skills. This latest controller targets high volume, consumer applications rated at one to six watts including household telecommunications and audio equipment: two major markets still dominated by linear power converters that typically waste about half the power they consume.

C2471 is the latest addition to the C2470 family of breakthrough performance controller ICs, launched by CamSemi in October last year to further improve on the size and performance advantages of alternative flyback SMPS offerings but without a cost premium over today's more energy-inefficient solutions. The controllers are based on a unique, patented Resonant Discontinuous Forward Converter (RDFC) topology that maintains 'EMI clean' resonant switching over the full load variation. This approach generates exceptionally low levels of EMI, making it ideal for telecommunications, audio and other challenging applications. Whereas conventional flyback SMPS depends on fast, hard-edged switching that produces considerable emitted and conducted noise which can be difficult, time consuming and costly to filter out and overcome.

"CamSemi is delighted to be announcing our new low power part targeting the cordless phone, audio and other major markets. Designers can now develop low cost, much more energy-efficient power supplies but without having to worry about additional filtering circuitry or any potential development delays to ensure full compliance with FCC part 68 and other EMI standards," said David Baillie, CEO at CamSemi.

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The C2471 controller will also help manufacturers to easily comply with the demands of ENERGY STAR 2.0 specification, due to be implemented in November 2008. For example: the average active efficiency requirement for a 6 W cordless phone application at 120 V is 73%, whereas solutions based on C2471 deliver 82% average efficiency. The no-load power consumption specification is 300 mW with CamSemi cutting this to 160 mW.

The two new low power controllers, the C2471LX2 in a SOT23-6 package for surface mount and C2471LW1 in PDIP-8 for through-hole applications are both available in volume from today. Full technical information and design support, including a design guide, datasheet, application design reports and demonstrator kits for 3 W and 6 W cordless phone adapters, can be downloaded or requested from www.camsemi.com

CamSemi's new controller is also one of a number of power innovations being announced at this week's Techno Frontier exhibition in Tokyo (16 – 18 April). The company is jointly exhibiting with Japanese sales partner, Cornes Dodwell, and will be demonstrating all current members of the C2470 family on booth 4707 at the show.

Notes for editors

About CamSemi
CamSemi is the emerging leader in power management ICs to enable low cost, more energy-efficient AC:DC offline power conversion. The company's unique products and approach can help manufacturers develop smaller, more energy-efficient products to meet Energy Star and related worldwide standards while cutting their design timescales and system costs.

CamSemi's first products, the C2470 family of mixed signal controllers, target the replacement of linear power converters in price sensitive, high volume consumer electronics. These unique controllers offer the size, efficiency and no-load consumption benefits of more expensive switched-mode approaches but at low cost. All products are based on the company's portfolio of patented, proprietary technologies which includes intelligent control architectures and PowerBrane™ to allow near-ideal switching performance of power devices such as LIGBTs and MOSFETs.

For further information please refer to www.camsemi.com

Press enquiries

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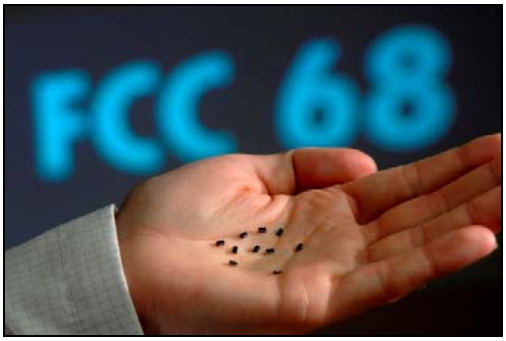
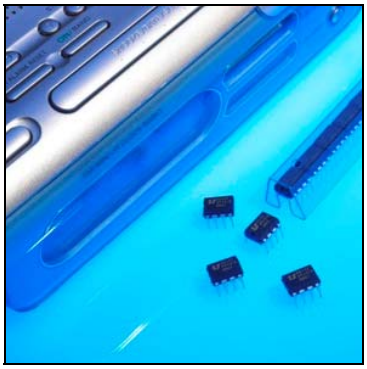
Photography



1 CamSemi's new C2471 controllers deliver easily compliance with FCC part 68 for cordless telephone applications but without needing costly, complex filtering circuitry. Devices are available in SOT23-6 (shown above) or PDIP-8 for through-hole applications.

2 C2471 will help power supply manufacturers to develop low-cost solutions meeting ENERGY STAR 2.0 requirements and related standards. No-load power consumption on a 6 W cordless phone application is just 160 mW versus the required specification of 300 mW.



3 CamSemi's new low power part is perfect for high volume consumer applications rated at one to six watts including radio alarms and other audio products, and cordless phones.

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