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NEWS RELEASE

CamSemi moves into LED lighting with new driver ICs

CamSemi has today announced the launch of the C3120 family of LED driver ICs and its intention to become a major player in one of the fastest-growing sectors of the lighting market. The new family has been specifically designed to drive an advanced boost/flyback topology to deliver the three essential performance requirements for volume LED applications: 'best in class' current regulation, high efficiency and power factor correction.

The three new driver ICs target 4, 8 and 12 W designs making them ideal for a wide range of emerging solid-state lighting products: from replacements for halogen spotlights used in retail displays and incandescent lamps for domestic/residential use to fluorescent tubes for commercial and industrial applications.

The C3120 family has been designed to help LED lighting manufacturers fully exploit the cost advantages of bipolar transistors when developing high efficiency, simpler and more cost-effective solutions. The boost/flyback topology coupled with quasi-resonant switching and innovative power-saving techniques help to deliver efficiencies greater than 80% and offer power factors greater than 0.9 to easily meet emerging regulatory requirements. The new devices also make use of CamSemi's novel primary side sensing (PSS) technology - already widely used in today's top specification mobile phone chargers - to eliminate optocouplers and other components. This approach saves BOM costs while also providing an isolated solution for new mains-powered lighting products.

"CamSemi is already a global leader in the development and supply of power management ICs for more energy-efficient, low cost power supplies and plans to mirror that success in the solid-state lighting sector. The new C3120 controllers offer tight tolerance constant current operation for excellent LED control plus a high degree of configurability allowing lighting designers for the first time to target a wide range of applications at minimum cost," said David Baillie, CEO of CamSemi.

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The C3120 family also helps maximise end product safety with advanced features such as protection against over-temperature and output overvoltage to guard against a LED failure. Output short-circuit protection has also been incorporated to further simplify designs and reduce system costs.

C3121, C3122 and C3123 are rated at 4, 8 and 12 W respectively, packaged in SOT23-6 and samples are available now. Datasheets can be downloaded from www.camsemi.com/support/datasheets with more detailed information and support available from CamSemi or one of the company's distributors.

Notes for editors

About CamSemi
CamSemi is the emerging leader in power management ICs for optimised energy-efficient off-line power conversion. The company's unique solutions and approach are helping many of the world's top electronics brands to develop smaller, lighter and more energy-efficient mains-powered products while also reducing their design timescales, system and manufacturing costs.

The company was founded to bring to market a new generation of sophisticated power management ICs that help manufacturers more easily meet the world's increasing demand to save energy but at acceptable cost. CamSemi's products are based on its portfolio of patented and proprietary technologies including intelligent control architectures and PowerBrane® ultra high voltage (UHV) process technology. These breakthrough approaches can benefit multiple markets, although initial products are targeted at the switch mode power supply and lighting sectors.

Further information at www.camsemi.com

Press enquiries

- All media enquiries or requests for supporting images should be directed to Simon McKay on +44 (0)1353 741075 (desk); +44 (0)7810 795035 (mobile or after hours) or by email simon.mckay@camsemi.com

Photography

CamSemi's C3120 LED driver ICs offer tight tolerance constant current of ± 5% for excellent LED control, plus high efficiency and power factor correction. Products target 4, 8 and 12 W designs for a range of solid-state lighting products.

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