

Fremont Micro Devices Announces Four FT8870 LED Driver Design Kits

Written by Australian Business

FREMONT, CA, September 22, 2014 /**24-7PressRelease**/ -- Fremont Micro Devices USA Inc. announced four new design kits for the FT8870 LED Driver Family. The design examples reduce the design time for Non- Isolated LED driver applications. The FT8870 is a Buck LED Driver integrated circuit with an on chip 500V Power MOSFET that enables constant current control designs without a secondary sense and feedback circuit. The extremely low start-up and operating current reduces power consumption which improves system reliability. The four reference support LED lighting products including lamps, bulbs, ceiling panel lights and back lighting of flat panel display applications.

"Each design kit includes a functional evaluation board plus the schematic circuit diagram, PCB layout, bill of materials, transformer specification and performance data for LED driver design." said Jim Panfil, Vice President of Sales and Marketing, for Fremont Micro Devices USA. "These tools decrease time to market because the evaluation board is fully functional and debugged. The schematic includes a wiring circuit diagram and electrical specifications," he added.

The LED evaluation module specifications have an Input Voltage Range 176/264V. The input linear regulation rate is 1% and LED output and constant current accuracy 3%.

Details the design examples are:

Part Number	Dimensions	Pout	Efficiency	Target Application
FT8870S	150V/100mA, 24x20mm	15W	92%	LED Bulb
FT8870A	150V/120mA, 68x17mm	18W	93%	LED Lamp
FT8870C	80V/260mA, 68x17mm	20W	93%	LED T-8 Tube
FT8870CD	150V/300mA, 45x30mm	45W	95%	LED Panel or Ceiling light

The four design kits and integrated circuits are available from stock. The FT8870 integrated circuit is housed in an SOP-8 or DIP-8 package. Suggested pricing for volume orders of 10ku is:

FT8870S SOP-8 package \$0.09 FT8870A SOP-8 package \$0.13 FT8870C SOP-8 package \$0.14 FT8870CD DIP- 8 package \$0.16

Headquartered in Fremont, CA, Fremont Micro Devices USA, Inc. (<http://www.fremontmicrosa.com>) is a semiconductor supplier whose products are offered through a global network of sales representatives and

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distributors in Europe, North America and Asia. FMD recently announced the cumulative shipment of two (2) Billion Serial EEPROM IC's. The key members of the management team have extensive product development, design, finance and sales experience with leading Silicon Valley semiconductor companies.