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Newsletter 01/2012

Dear Customer,

welcome to the January 2012 issue of ROHM Semiconductor Email Newsletter. If you want to change your contact details or if you do not want to receive the Newsletter anymore please use the link at the end of this page.

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### BP5875: Isolated high power LED driver module

ROHM's new BP5875 LED driver module is designed to be very compact version of LED driver module requiring no external components to driver LEDs. It features many advantages, including a thin form factor, dimming compatibility, harmonics standards compliance, universal input, and high efficiency operation, making it ideal for a variety of applications.

Dimming is possible via the analog ue input over a wide range (10-100%). Power factor is heavily influenced by resistance loss through the transformer windings and supply lines. The BP5875 features an active filter method with built-in PFC circuit that increases the power factor to 0.99, enabling support for high frequencies as well as compliance with IEC61000-3-2. A low noise, high efficiency pseudo-resonance switching method is used that minimizes switching loss across the switching MOSFET for improved efficiency of 83%.



#### Some of the key features are:

- Input voltage range from 80 to 264 VAC
- Output current up to 300mA (max. 27.4W)
- Compact size compatible with a variety of applications
- Dimming over a wide range (10-100%) is easily enabled using analog input
- PFC circuit built in for a power factor of 0.99
- Pseudo-resonance method utilized for 83% efficiency

 [More Information on www.rohm.com/eu](http://www.rohm.com/eu)

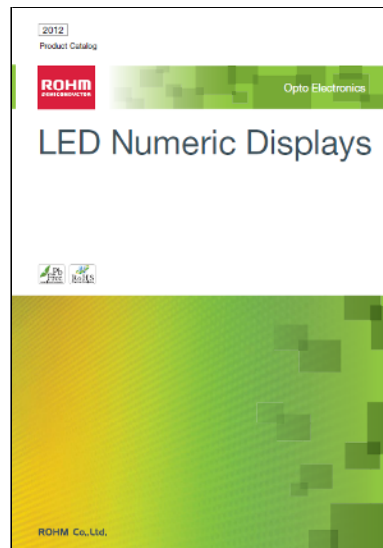
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## LED Numeric Displays – Product Catalog 2012

LED numeric displays are to be used for digital display modules to convey numeric information exclusively, and are featured with LEDs for segments forming digits providing wide viewing angle and high contrast visibility.

ROHM Semiconductor provides a new “LED Numeric Display” Product Catalog 2012.

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## ROHM conductive polymer capacitors

The TCTO Series of ultra-low ESR conductive polymer capacitors features large capacitance in a compact, low-profile bottom electrode configuration.

Also offered is the TCO Series, featuring market-proven reliability, low ESR, high incombustibility, and high capacitance in a compact package.

### Features

#### **Ultra-Low ESR [approx. 1/5 of conventional]**

A conductive polymer with high conductivity is used for significantly reduced ESR.

The risk of combustion and smoking is reduced as well.

#### **Large capacitance**

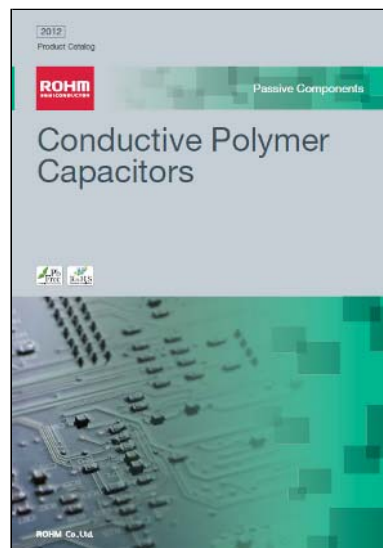
A novel bottom electrode structure allows for larger capacitances.

ROHM offers the industry's highest class of 330 $\mu$ F 3216 (1206in) \* size capacitors.

ROHM's A Case 3216 (1206in) size bottom electrode capacitors are the ideal replacement for conventional B Case 3528 (1411in) size components.

\*330 $\mu$ F capacitors in the 3216 (1206in) size are currently under development

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