

NEC Electronics Europe Announces New High Temperature Optocoupler Devices

Guaranteed Operation up to 110degC Ambient Temperature

DÜSSELDORF (Germany), April 15, 2008 — NEC Electronics Europe has introduced new transistor output optocouplers with guaranteed operation up to 110degC ambient temperature. The extended temperature range make them ideal for applications such as switched mode power supplies and factory equipment, and all applications where components are packed densely.

The PS2561B-1 series comes in a plastic dual in-line package (DIP) with a high isolation voltage of 5000 V_{rms} and is available as a through-hole version or a surface mount version. Output collector to emitter voltages up to 80V can be applied and maximum current of 50mA can be obtained.

The additional releases in smaller SMD packages are completing NEC Electronics' high temperature transistor optocoupler line-up: The PS2761B-1 and PS2861B-1 are surface mount devices in small-outline package (SOP, 2.54 mm pin-pitch) and shrink small-outline package (SSOP, 1.27 mm pin-pitch) offering an isolation voltage of 3750 V_{rms} .

The new High Temperature optocouplers can operate at both 1mA and 5mA input currents and the values for the current transfer ratio (CTR) are specified for both input current levels.

All optocouplers are fully RoHS compliant and feature the most common international safety certificates such as UL, CSA, BSI, SEMKO, NEMKO, DEMKO, FIMKO and VDE.

Availability

The new PS2561B-1 and PS2761B-1 optocouplers are available now. The release of the SSOP-type optocoupler PS2861B-1 is planned for the 3rd quarter of 2008 and design samples will be available from May 2008. For price and delivery details please contact NEC Electronics Europe.

Additional information about NEC Electronics Europe's optocouplers can be found at <http://www.eu.necel.com/opto>.

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About NEC Electronics (Europe) GmbH

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer and supplier of semiconductor products in Europe. Committed to meeting customers' cost, performance and time-to-market requirements, the company offers solutions ranging from standard products to system-on-a-chip (SoC) solutions, as well as customized products for next-generation designs. Our customers also benefit from state-of-the-art manufacturing from the global production network of our parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD modules from NEC LCD Technologies Ltd.. For more information visit <http://www.eu.necel.com>.

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Media Contact

Oliver Lüttgen
NEC Electronics (Europe) GmbH
+ 49-211-6503-1469
oliver.luetzgen@eu.necel.com