

New IC output Optocouplers from NEC Electronics for Industrial Communications and Motor Control

DUSSELDORF (Germany), August 23, 2007 — NEC Electronics introduces a new family of High Speed Optocouplers coming in a new white DIP package that provides enhanced isolation and shielding characteristics:

- 5000 Vrms isolation voltage
- >0.4mm internal isolation distance
- >8mm outer creepage distance
- Minimum CMR of 15KV/ μ s

The new PS85/95 optocoupler series are issued in different outlines addressing multiple industrial applications that require a high grade of isolation:

The PS85xx-series are 1Mbit/s speed analogue output type optocouplers with high output voltage of 35V (max).

The PS9587-series is a digital IC optocoupler with open collector output. With a maximum propagation delay time (t_{PLH} , t_{PHL}) of 75ns and a pulse width distortion (PWD) as low as 10ns it enables the transfer of data at 10 Mbit/s speed. The PS9587 series is ideally suitable for industrial high speed communication lines that require a high level of isolation.

Especially dedicated to motor drive applications NEC Electronics have developed the PS9513 and PS9552-series for IPM and IGBT drives respectively.

The PS9513-series is offering 1Mbit/s speed and 35V output voltage and is suitable for IPM drives and general purpose inverter.

With the PS9552-series NEC Electronics has released it's first type of optocouplers for IGBT gate drives. It provides up to 2.5A output current, has a wide range of Vcc from 15V to 30V and operating temperatures from -40 to +100degC. It is suitable to drive IGBT and MOSFET gates.

The new PS85/95 series optocouplers are available in different lead bending options either for through hole or surface mount. The new parts fully comply to RoHS using Nickel-Palladium-Gold as leadfree pin-plating material. Common International Safety Certificates such as UL and DIN EN60747-5-2 are available.

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

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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