

## **New high-speed optocouplers from NEC Electronics**

**DUESSELDORF, Germany March 22, 2004 –**

NEC Electronics (Europe) is offering two new high-speed optocouplers. The single- and dual-channel devices, capable of 10 Mbps transfer speed, are supplied in an SO8 package. They can be used for DC/DC converters, measuring equipment, motor control, communication bus systems and many other applications and are suitable for harsh industrial environments.

Both couplers have a minimum CMRR of 10 kV/ $\mu$ s, with typical values of 20 kV/ $\mu$ s. The PS9814 has an open collector output for increased flexibility in circuit design. The maximum pulse width distortion [tPHL to tPLH] for both types is less than 50 ns, with typical values of only about 3 ns.

The couplers typically require a supply voltage of 5 Vcc (7 Vcc max.) on the output detector side. The isolation voltage is 2500 Vr.m.s.

The couplers are supplied in 8-pin small outline package (SO8 package), with a pin-to-pin distance of 1.27 mm for compact designs.

International safety certificates are available.

There are two coupler versions. The PS9814-1 and PS9814-2 are suitable for lead soldering, the PS9814-1-A and PS9814-2-A for lead-free soldering.

1-channel/package	2-channel/package	
PS9814-1	PS9814-2	Lead soldering
PS9814-1-A	PS9814-2-A	Lead-free soldering

**Pricing and availability**

The optocouplers are available now.

For prices and delivery details contact NEC Electronics (Europe) GmbH

**About NEC Compound Semiconductor Devices, Ltd.**

NEC Compound Semiconductor Devices, Ltd. (NEC Compound Semiconductor Devices) is a leading provider of optical and microwave devices, committed to meeting the specialized needs of its customers in the broadband and mobile networking fields with its compound and silicon semiconductor technologies. NEC Compound Semiconductor Devices was divided from NEC Corporation and established in October 2001, and now a subsidiary of NEC Electronics Corporation. For further information, please visit the home page at: <http://www.ncsd.necel.com/>.

**About NEC Electronics (Europe) GmbH**

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer, manufacturer 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. NEC Electronics also offers customers the benefit of state-of-the-art manufacturing locally in Europe, besides the global production of its parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD and PDP modules from NEC LCD Technologies Ltd. For more information visit <http://www.ee.nec.de>.

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