

NEWS RELEASE

PR2110E

**ALPS Electric and ALPS Green Devices Announce
their "GLMC Series" Licalloy™ Power Inductor***Features the Industry's Lowest Loss^{*1}*

Duesseldorf, Germany, October 05, 2010 – ALPS Green Devices has developed the "GLMC Series" Licalloy™ Power Inductor to provide higher power source efficiency in such applications as DC/DC converters for notebook PCs and servers. Sample shipments of the "GLMC Series" will start in November this year and product sales will be conducted by ALPS Electric.

Notebook PCs are becoming increasingly sophisticated, leading to higher power consumption. However, highly efficient power inductors are needed to balance improved processing capabilities with lower power consumption.

Furthermore, power inductors are used in high-current battery drivers such as high performance tablet PCs as well as in devices requiring higher power efficiency such as servers, and thus the market for power inductors is expected to expand.

In response, ALPS Green Devices has developed the industry's lowest loss^{*2} metal composite type power inductor "GLMC Series," adopting ALPS' proprietary metallic glass material Licalloy™. Licalloy™ is a metallic glass developed by ALPS Electric together with Tohoku University and features an irregular atomic arrangement like glass with soft magnetic properties. Licalloy™ can be easily powderized and formed into various shapes.

The "GLMC Series" adopts a metal composite structure where winding wire is integrally molded with magnetic material to realize a compact shape and support large electric current. Moreover,

the "GLMC Series" achieved the industry's lowest DC resistance through design optimization of magnetic material and winding wire, becoming a low-heat-generating power inductor.

The "GLMC Series" will be exhibited in the ALPS Electric booth at this year's CEATEC JAPAN 2010, held at Makuhari Messe in Chiba starting October 5, 2010. ALPS Electric and ALPS Green Devices are focusing on further development of such green devices as power inductors that enable reduced CO2 emissions.

※1 According to ALPS Electric as of September 15, 2010.

※2 DC resistance of the power inductor is low while magnetic and electrical conversion efficiency is high

Features

Compact power inductor with low loss developed

1. Lowest loss in the industry due to ALPS' proprietary magnetic material Licalloy™
2. Low DC resistance provides excellent low-heat-generating characteristics
3. Metal composite structure enables compact shape and support for large electric current

Principal Applications

DC/DC converters for notebooks, servers, game consoles, etc.

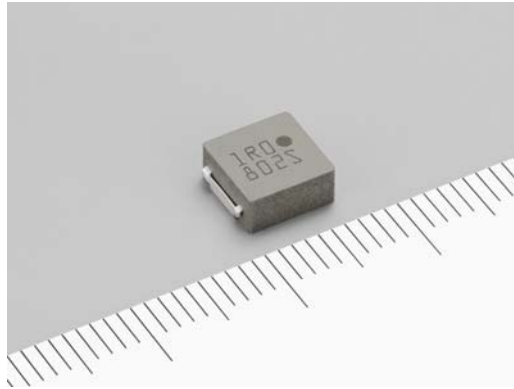
Power sources for POL (point of load: a backup power source on server substrates, etc.)

Specifications

Product name	GLMC Series
Dimensions (W × D × H)	6.5mm x 7.4mm x 3.0mm
Inductance	0.47 to 4.7 ± 20% μH (at 100 kHz)
DC Resistance	3.1 to 26.9 ±10% mΩ

For more information on the new product please visit

http://www.alps.com/products/e/npv_product/100930_GLMC/GLMC_E.PDF

**ALPS Electric Co., Ltd.**

ALPS Electric (Tokyo: 6770) is a leading global manufacturer of high-quality electronic components for mobile devices, home electronics, vehicles and industrial equipment. With the philosophy of "Perfecting the Art of Electronics" ALPS Electric supplies over 40,000 different components to about 2,000 companies all over the world. For more information, visit www.alps.com.

ALPS Green Devices Co., Ltd.

ALPS Green Devices was formed as a business alliance between ALPS Electric and the Innovation Network Corporation of Japan to develop and manufacture compact, highly efficient power conversion and power control devices that enable the creation of a low carbon society. For more information, visit <http://www.alpsgd.com/eng/index.html>

ALPS ELECTRIC EUROPE GmbH, a subsidiary of ALPS Electric Co., Ltd., was established in 1979. Since 1989 the European Head Office has been located in Düsseldorf, where a team of specialists works in Sales, Marketing, and Product Engineering. The activities of our branch offices in Munich, Paris, Milton Keynes, Stockholm, Gothenburg, and our sales office in Milan are coordinated from Düsseldorf.

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