



Electronic Parts and Components

Press Release for the Trade Press

March 2008

Inductors Compact current-sense transformers

EPCOS has developed two series of current-sense transformers that – thanks to their space-saving SMT design – are particularly suitable for compact DC/DC converters. They have dimensions of only 8.33 x 7.11 mm² and 4.7 x 3.5 mm², respectively. The primary winding is already integrated in all types, thus saving development and placement times. Both series cover winding ratios from 1:20 to 1:125.

The first series represents a compatible solution for existing designs based on an EE5 core. The DC resistance of the primary winding is 0.8 mΩ and the rated current is 20 A for all types of this series. They have a test voltage of 500 V AC.

The second series was developed as a miniature variant with the significantly more compact E4.2 core. The primary winding is integrated in the coil former in a space saving way. Its DC resistance is 2.5 mΩ and its rated current is 7 A. The test voltage of these types is 360 V AC.

Current sense transformers are used in control and protection circuits as well as for load detection in power supplies. Typical applications are DC/DC converters for mid-range outputs.

You can download the text of this press release from www.epcos.com/tradepress
Further information on this product can be found at www.epcos.com/smt_cst

Please forward reader inquiries to EPCOS AG, Fax +49 89 636-22471, marketing.communications@epcos.com

Contacts for regional media:

Europe, NAFTA
Christoph Jehle
EPCOS AG
Munich/GERMANY
Phone +49 89 636-24 615
Fax +49 89 636-22 741
christoph.jehle@epcos.com
www.epcos.com

Asia
Angelia Liew
EPCOS PTE LTD
SINGAPORE
Phone +65 6840-6488
Fax +65 6744-6992
angelia.liew@epcos.com
www.epcos.com.sg

South America
Candido Dall'Agnol
EPCOS do Brasil Ltda.
São Paulo/BRAZIL
Phone +55 11 3817-3435
Fax +55 11 3817-3447
candido.dallagnol@epcos.com
www.epcos.com