



Electronic Parts and Components

Press Release for the Media

September 2009

Inductors

Sample kit with transponder coils for automotive electronics

EPCOS is now offering automotive electronics developers a sample kit with transponder coils. The types with dimensions of $7.8 \times 2.7 \times 2.7 \text{ mm}^3$ and $11.4 \times 3.5 \times 3.5 \text{ mm}^3$ are designed for polarization in the x-y coordinates (B82450A* series). They cover inductances of between 1.0 and 7.0 mH. These transponder coils have a sensitivity of between 10 and 51 mV/ μT . A type with dimensions of $7.7 \times 7.7 \times 2.65 \text{ mm}^3$ is contained for polarization in the z coordinate (B82451N* series).

The transponder coils can be used for non-contacting tire pressure monitoring systems, immobilizers as well as passive locking and starting systems in motor vehicles. These rugged inductors are designed for a frequency of 125 kHz and can be operated in a temperature range from -40 to +125 °C. They are RoHS-compatible, suited for lead-free reflow soldering to JEDEC J-STD 020C and can be processed with SMD automatic placement systems.

You can download the text of this press release and the related images from www.epcos.com/pressreleases

Further information about these products can be found at www.epcos.com/transponder

For further information about the sample kit, please contact Sales at www.epcos.com/inquiry

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