



Electronic Parts and Components

Press Release for the Trade Press

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Inductors: Transponder coils for automotive applications

With its newly developed transponder series, EPCOS has expanded its broad range of inductors with a series of high-performance and robust products. In addition to their outstanding electrical properties, these components are distinguished by their high mechanical strength, making them ideal for demanding applications such as immobilizers and tire pressure monitoring systems (TPMS). For the immobilizer, the coils are incorporated in the car key and in the TPMS, they are directly in the wheel, where they are exposed to high mechanical and dynamic stresses.

This extrusion-coated series designated B82450A* was developed in close cooperation with the automotive industry and has significant stability advantages over competitor products. Their automated and flexible, manufacture also allows a rapid response to customer-specific demands. Apart from these two applications in automotive electronics, the coils are suited for other application areas that also require high mechanical ruggedness.

The transponder coils are designed for a frequency of 125 kHz and can be operated in the temperature range from -40 to +125 °C. They are RoHS-compatible, suitable for lead-free reflow soldering to JEDEC J-STD-020C and can be processed with automatic SMD placement systems.

You can download the text of this press release and press photos from www.epcos.com/tradepress
Further information on the products presented here will be found at www.epcos.com/transponder

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