

Press Release



RFID Solutions

SES RFID Solutions increases market potential with new inlay product

Düsseldorf, Germany, March 11, 2006 – SES RFID Solutions meets the most current demands of the RFID market with the introduction of a new inlay, thus enabling the Düsseldorf based company to also provide manufacturers of »contactless smart cards«, »single journey multiple use tickets«, »ePassports« and other similar products with the necessary components. The patent for this SES RFID Solutions newcomer has been filed.

The electronic passport is already a reality today. Credit card companies such as MasterCard and Visa are making new advances in radio technology with the aim of making payment even easier. In the public transportation sector, the call for re-usable single journey tickets is increasing. »e-Passports«, »contactless smart cards« and »single journey multiple use tickets« are the most prominent examples of applications in demand world wide. These applications make great demands in matters of size, quality and useful life and as a result require particularly high-quality components.

New RFID components: extremely thin and sturdy

SES RFID Solutions has filed the patent for a product which specifically meets these demands: the new RFID inlay for use in 13.56 MHz applications consists of a copper antenna, which, through the use of an SES RFID Solutions-patented winding process, is no thicker than the wire itself (ca. 0.17 mm). The coil is embedded into a PVC or PETG substrate, which envelops the antenna and chip completely. In a production process employing heat and pressure, a component with a thickness of under 0.35 mm and perfectly smooth surface is created. The result is an extremely thin and at the same time very sturdy component, perfect for use in tickets, credit cards and ePassports.

Now ready for use and testing in further applications

The new inlay from SES RFID Solutions is now ready for use in applications such as the »contactless smart cards« and in »single journey multiple use tickets«. It will meet the demands specific to integration in passports cards by the end of the year. Testing in additional areas such as paper inlays is in progress.

AT A GLANCE

Operating frequency

- ▶ 13,56 MHz

Thickness

- ▶ 0.35 mm ± 0.02 mm

Material

- ▶ Copper wire antenna embedded in PVC oder PETG

Areas of application

- ▶ e-Passports
- ▶ single journey multiple use tickets
- ▶ contactless smart cards

(You will find additional technical details in our product brochure)

About SES RFID Solutions

SES RFID Solutions has worked with RFID technology since 1993 and operated under their present name since 2003. From its headquarters in Düsseldorf, SES RFID serves its customers world wide through a network of independent distributors, with a concentration in Europe, the US and Asia.

What makes SES RFID Solutions products so exceptional: Through the use of copper antennae, the amount of steps in production can be reduced and production offered from a single source. The resulting advantages in quality and price express themselves in the company philosophy »Quality at a fair price«.

Contact

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