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## **Ferroxcube releases Ferroxtag High-Frequency RFID Tags featuring superior liquid submerged and metal surface detection capabilities**

Ferroxcube, a leading soft ferrites supplier, announced the release of Ferroxtag high frequency RFID (Radio Frequency Identification) tags with Epoxy and silicon seal packaging. The tags have been designed effectively for the use in special conditions such as in liquid or on metal surfaces. Presently, Ferroxcube has cooperated with a well-known European pharmaceutical company on a warehouse management system as well as a collaboration project with a railway company on developing the positioning system for trains entering stations. The implementation of Ferroxtag enables Ferroxcube to expand various product lines and to anticipate in the development of the high-end RFID market. Samples are now sent to customers in Japan, Australia and New Zealand with mass production running.

Ferroxtag supports bandwidth of 13.56MHz, broad operation temperature range from -25°C to 130°C. Tag dimensions at 25x12.5x5mm and a weight of only 2.5g. Packaging available in Epoxy and silicon types enables to affix Ferroxtag onto the surface by screws, glues or double-sided adhesive tapes. In general, misreading data occurs when traditional RFID is applied to special conditions like being in liquid, exposed to high humidity or attached on metal surface that may lead to interference or diffraction. Ferroxtag far outshines other RFID tags in accurate data reading by its exclusive oxygen-iron powder sintered onto an antenna and combined with RFID chips in those exceptional circumstances. Moreover, the appearance of the tags can be customized to meet client's demands.

Mr. Chuan-Chi Ou, Marketing/Commercial Support Manager of Ferroxcube Asia Pacific Region, expressed "RFID is a contactless automated identification system using radio waves to convey data. It allows efficient data reading, exchange and storage between the RFID tags and scanners. In addition, it is expected to replace the two-dimensional bar codes presently in use. In the light of the special applications, the development of high-frequency RFID tags and customized design services show mature capability of Ferroxcube in research and development of new materials. Aside from the mainstream applications such as access management, medical management, warehousing and airport cargo management systems, we also anticipate these RFID tags will be extended for broader applications afterwards."

Ferroxcube, as the continuity of Philips's superior material technology company, is providing a variety of magnetic components in unique specifications that can be used in burgeoning markets such as LCD TVs and RFID. The future RFID high-frequency tags will emphasize on longer data reading distance and comprehensive solution to meet the market demands.

### **Note to the editors**

Formerly a Philips Components company, Ferroxcube is now wholly owned by Yageo Corporation, one of the world's strongest suppliers of passive components. Ferroxcube, widely recognized as a leading supplier of ferrite components, offers a broad range of soft ferrite cores, accessories and EMI suppression products to support equipment manufacturers in their drive for greater miniaturization, reduced power consumption and lower electromagnetic interference. Ferrite components and accessories from Ferroxcube are used in a wide range of applications, from telecommunications and computing electronics through consumer electronic products to automotive. Ferroxcube currently ranks as the world number three in ferrite products. The production centers and sales offices are located in the Netherlands, Taiwan, Singapore, the United States, Poland, Spain and China, providing global and localized services.

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