Aircoil

Overview

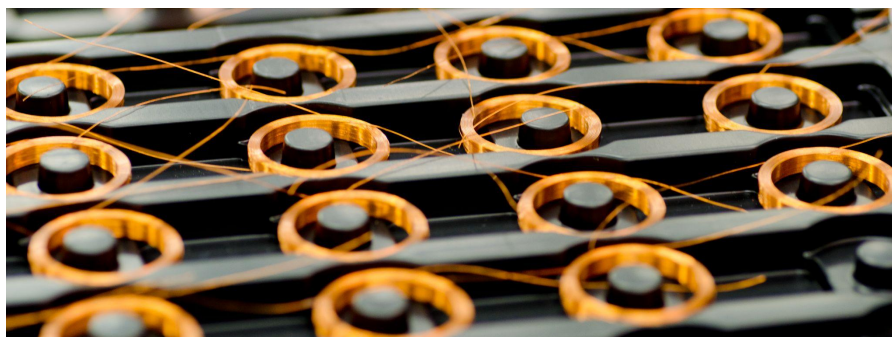**Frequency Band**
HF 13.56 MHz

Chip
Fujitsu FRAM 2k rev.C
Fujitsu FRAM 8k

Industry Segments
Healthcare
Logistics
Industrial Applications

Applications
Supply Chain Management
Asset Tracking
Returnable Transport Units (RTUs)

The right choice for demanding conditions

Our Aircoil product family is a robust solution purpose-built for use in severe industrial environments.

The Aircoil can be embedded into different plastic housings, the finished tag is the right choice for outside applications as it is very compact and resistant. It is ideal for items that need to be securely identified and that are regularly subjected to high thermal and/or mechanical stress conditions. Examples include items that pass hot water cleaning processes or are used in other high temperature environments found in some heavy industries.

Aircoil with Fujitsu FRAM IC is especially designed for different kinds of medical applications due to the bigger memory size and resistance to gamma radiation.

Thanks to its new molding and specific modified thermoplastic, the Aircoil can withstand long water immersion, chemicals and high temperatures.

Equipped with an anti-collision feature it offers the advantage that several tags can be read at the same time thus accelerating and simplifying processes.

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Technical features

Chip	Fujitsu FRAM 2k rev.C	Fujitsu FRAM 8k
Total Memory	16000-bit	64000-bit
TID Memory	Available for all	
Product Code	3005133	3004813
Max. Inner Diameter	–	14 mm / 0.55 in
Max. Outer Diameter	9.65 mm / 0.380 in	15 mm / 0.59 in
Frequency Band	HF 13.56 MHz	
Total Thickness	1 mm / 0.04 in	1.20 mm / 0.05 in
Housing Material	Air Coil	
Operating Temperature	-20 °C to 85 °C / -4 °F to 185 °F	
Storage Temperature	-35 °C to 100 °C / -31 °F to 212 °F (max. 168h)	
Quantity / Package	10000 pcs/plastic tray	8320 pcs/plastic tray

Contact information

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