

Product Data Sheet



Eureka-211 13.56MHz Passive Tags

13.56MHz passive RFID tags

Avonwood supply competitively priced, 13.56MHz tags with fast data rates and long read/write ranges for passive tag applications.

Applications include:

- Item level-tagging for warehousing
- Inventory applications
- Airline baggage
- parcel shipping
- Retail

Versatility

The 13.56MHz tags allow multiple read capability on items inside cartons and pallets without the need to open or separate goods. They provide a mechanism for auto-checkout at retail stores, security, automatic item counting on warehouse conveyor systems, anti-counterfeiting, medical supply and document management.

Low cost

An alternative to barcodes, passive 13.56MHz tags are high volume low cost items.

Features

The 13.56MHz tag is a feature rich, high-performance read/write tag with a large 1 Kbit of memory. Each individual 32 bit block is individually written to by the reader and can be write protected to prevent accidental corruption.

Performance

Low power consumption and "cloaking" modulation provide an extremely long range for a passive device. A high data rate enables faster transactions, which are necessary for applications where tagged objects are moving.

Tag

Type	Passive
Frequency	13.56MHz
Standard Read Speed	6.62Kbps
Fast Read Mode	26Kbps
Read Range	Up to 1m
Data Capacity	1Kbit of Memory
Battery Life	N/A (No Battery)
Tag Life	Unlimited

Environmental

Operating Temperature	-10°C to +150°C
Storage Temperature	-65°C to +60°C

Approvals/Standards

ISO15693

Read/Write capabilities

- Advanced 13.56MHz Passive RFID transponders

Low power

- No batteries needed to power tags

Large memory

- 1Kbit

Fast Data Rate

- 26Kbps

Read range

- Typically up to 1 metre read range

Customer specific packaging

- Includes high temperature options, printed smart labels and robust enclosures

Durable construction

- Temperature, impact and vibration resistant