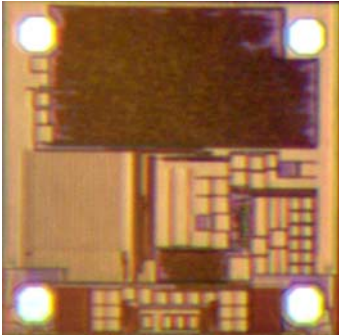


UHF Gen 2 RFID Tag Chip Monza™ 3 Product Brief



Monza™ tag chips provide EPCglobal-compliant, industry-leading performance to enable a broad suite of RFID applications.

Features

- ⌚ Extended temperature range (–40 °C to +85 °C) for reliable performance under harsh conditions
- ⌚ Patented interference rejection affords robust performance in noisy environments
- ⌚ Impinj’s field-rewritable NVM (optimized for RFID) with 96-bit EPC provides programming flexibility and 100,000-cycle/50-year retention reliability
- ⌚ Dual antenna input maximizes range and provides for orientation indifferences
- ⌚ Greater read range than competition (up to 40%)
- ⌚ 2X improvement in tag write sensitivity over competing products
- ⌚ Write rate of >15 tags/second enables rapid programming throughput

Overview

The EPCglobal Gen 2 specification is the ultimate standard for automatic identification requirements ranging from items to cases to pallets—worldwide. For inventory control, unique item tracking, logistics, product integrity, security, and data accuracy, using fully EPCglobal-compliant, Monza-powered tags yields unprecedented performance for supply chain visibility and confidence.

In addition, Monza establishes new benchmarks for range, readability, and high-speed field rewriteability. And in keeping with Impinj’s ground-breaking quality standards, Monza chips are 100% factory tested. Furthermore, Monza’s nonvolatile memory (NVM) features 100,000 cycle/50-year retention reliability.

Finally, Monza is supported by a family of innovative antenna designs that not only optimize tag performance for wide-ranging requirements and specific market applications, but also enable whole new categories of use.

Applications

- ⌚ High-speed mass serialization
- ⌚ Real-time field commissioning
- ⌚ Supply chain tracking
- ⌚ Asset inventory and management
- ⌚ Theft control
- ⌚ Product authentication
- ⌚ Item-level tracking

