

IPJ- W1700



Monza[®] R6 Tag Chip Specifications

Detailed datasheet available from Impinj on request

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Overview

The Monza[®] R6 UHF RFID tag chip is optimized for serializing items such as apparel, electronics, cosmetics, documents and jewelry. It delivers unmatched read performance and data integrity for effective RFID business systems and record-breaking encoding performance to enable the lowest applied tag cost. The Monza R6 tag chip includes revolutionary technologies such as automatic performance adjustments and encoding diagnostics that reinforce the position of the Monza tag chip family as the RFID industry leader.

Specifications

- ❖ Industry leading read sensitivity of up to -22.1 dBm with a dipole antenna, combined with excellent interference rejection, delivers exceptional read reliability
- ❖ Superior write sensitivity of up to -18.8 dBm with a dipole antenna for unparalleled encoding reliability
- ❖ Fast memory write speed of 1.6 ms for 32 bits
- ❖ Encoding throughput up to 9,500 tags/minute using the Impinj STP[®] source tagging platform
- ❖ Up to 96-bits of EPC memory
- ❖ 48-bits of Serialized TID
- ❖ EPCglobal and ISO 18000-63 compliant, Gen2v2 compliant
- ❖ Unmatched data integrity with Integra[™] Technology for encoding diagnostics
- ❖ Maintains performance across different dielectrics with AutoTune[™] Technology
- ❖ Reduced tag manufacturing variability via patent-pending Enduro[™] Technology
- ❖ FastID[™] mode enables 2x to 3x faster EPC+TID inventory for authentication and other TID-based applications
- ❖ TagFocus[™] mode suppresses previously read tags to enable capture of more tags
- ❖ Scalable serialization built-in with Monza Self-Serialization
- ❖ Impinj's field-rewritable NVM, optimized for RFID, provides 100,000-cycle or 50-year retention reliability

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