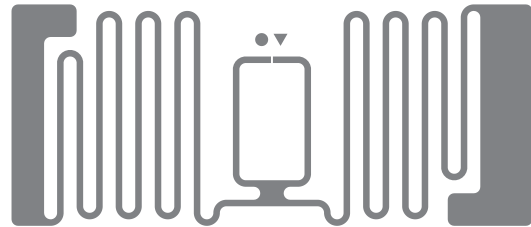


DATASHEET

RS-HY4017MR6P-2
UHF RFID Dry Inlay

KEY DATA

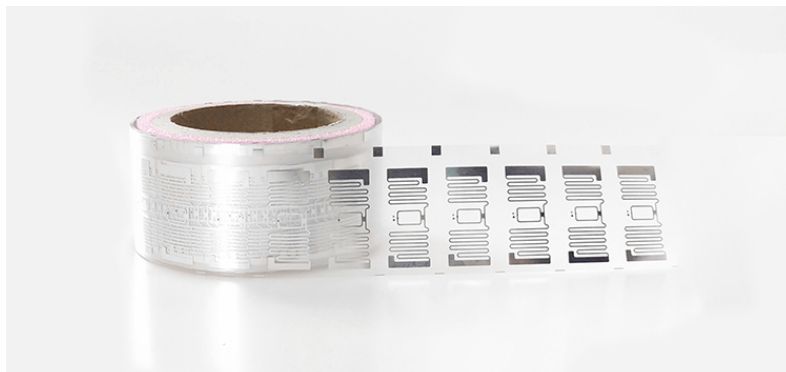
Chip: Monza R6P
Antenna Size: 40 × 17 mm
Format: Dry Inlay, Wet Inlay,
White Paper



APPLICATION

Supply Chain & Logistics Management
Warehouse Management

RS-HY4017MR6P-2



OVERVIEW

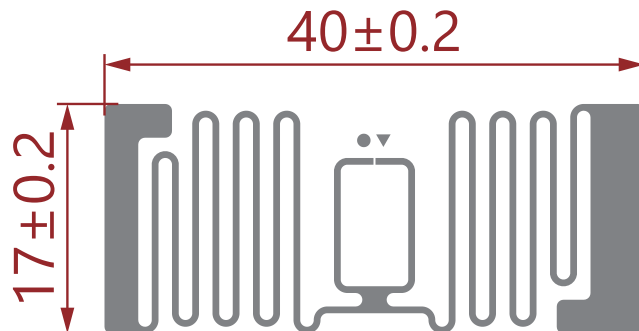


RS-HY4017MR6P-2 UHF RFID Dry Inlay is built with Impinj Monza R6P.

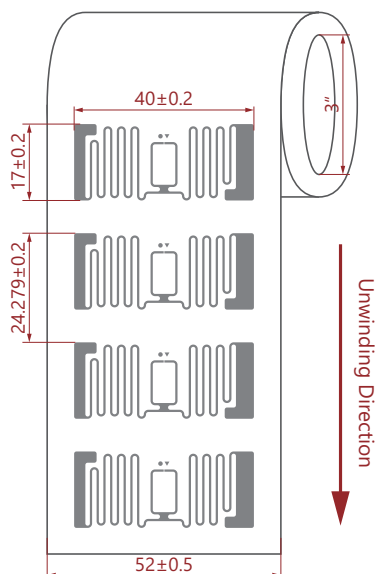
The R6-P chip is optimized for serializing items such as apparel, electronics, cosmetics, pharmaceuticals, jewelry and various other products. It delivers unmatched read performance and data integrity for effective Item Intelligence applications and record-breaking encoding performance to enable the lowest applied tag cost.

With the addition of user memory and range-reduction switch, advanced usages such as loss prevention, brand protection and enhanced privacy are enabled. The Monza R6-P 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

DIMENSIONS

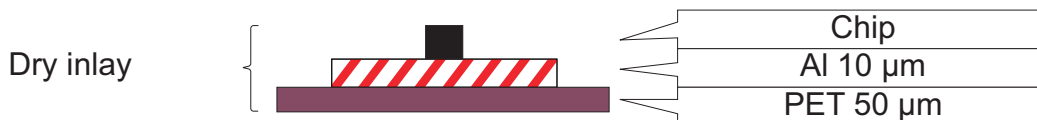


ORIENTATION



| Physical characteristics | Dimensions |
|--------------------------|---|
| Antenna size | 40 × 17 mm |
| Inlay pitch | 24.279 mm |
| PET width | 52 mm |
| Dry Inlay thickness | Al 10 μm + PET 50 μm |
| Reel detail | Web width: 52 ± 1.0 mm Inner core diameter: 3" (76.2 mm) Core thickness: 5 ± 2 mm |

STRUCTURE



ELECTRICAL CHARACTERISTICS

| Item | | Description | |
|---------------------------|----------|--|---------|
| Manufacture/IC | | Impinj Monza R6P | |
| Base Material | | PET | |
| Antenna | | Etched Al (10 μm) + PET (50 μm) | |
| Protocol | | RAIN RFID / ISO 18000-6C and EPC global Gen2v2 Compliant | |
| Memory | User | 32 bits | 64 bits |
| | TID | 48 bits | |
| | EPC | 128 bits | 96 bits |
| | Password | Kill Password - 32 bits | |
| Access Password - 32 bits | | | |
| Frequency | | 860 ~ 960 MHz | |
| Operating Mode | | Passive | |
| IC Life | | 100,000 Programming cycles, 50 years data retention | |
| ESD Voltage Immunity | | Max. 2000 V | |

ENVIRONMENTAL REQUIREMENT

- Operating Temperature/Humidity: -5°C ~ 60°C / 20% ~ 80% RH
- Storage Temperature/Humidity: 20°C ~ 30°C / 20% ~ 60% RH
- Shelf Life: From the date of manufacture, 1 year in anti-static bag at 20°C ~ 30°C / 20% ~ 60% RH, and avoid direct sunlight exposure

PACKAGING

Reference Packing: Static-free bag with zipper; 8000 ± 100 Pcs/roll, 8 rolls/ctn (Actual Qty as per Shipping Mark).

