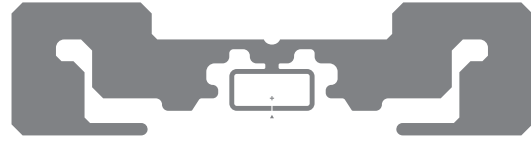


# DATASHEET

**RS-HYMax9727MR6P-2**  
UHF RFID Dry Inlay

## KEY DATA

Chip: Monza R6P  
Antenna Size: 94 × 24 mm  
Format: Dry Inlay, Wet Inlay,  
White Paper



**RS-HYMax9727MR6P-2**

## APPLICATION

Supply Chain & Logistics Management  
Warehouse Management



## OVERVIEW

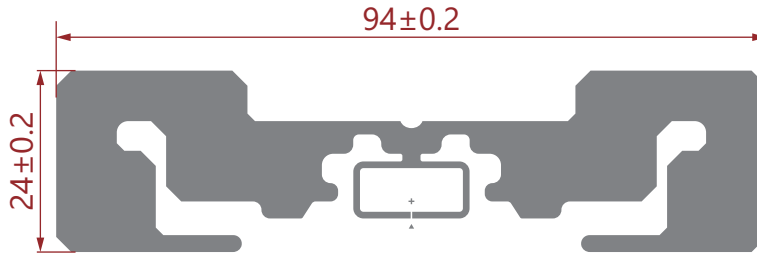


RS-HYMax9727MR6P-2 UHF RFID Dry Inlay is built with Impinj Monza R6P.

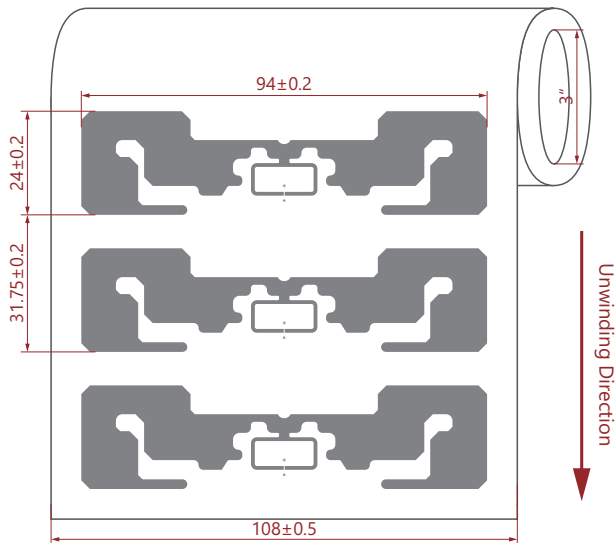
The R6-P IC is optimized for serializing items such as apparel, electronics, cosmetics, pharmaceuticals, jewelry and various other products. It delivers unmatched read performance and data integrity for effective Item Intelligence applications and record-breaking encoding performance to enable the lowest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

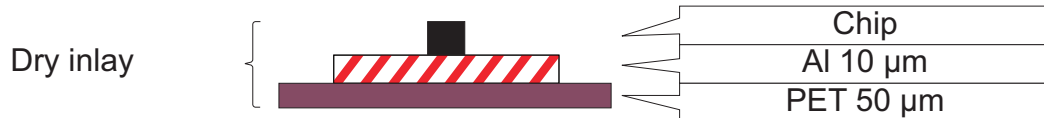


## ORIENTATION



Physical characteristics	Dimensions
Antenna size	94 × 24 mm
Inlay pitch	31.75 mm
PET width	108 mm
Dry Inlay thickness	Al 10 μm + PET 50 μm
Reel detail	Web width: 108 ± 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, 50years 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; 6000 ± 100 Pcs/roll, 4 rolls/ctn (Actual Qty as per Shipping Mark).

