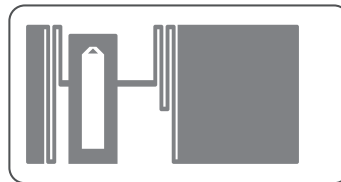


# DATASHEET

**RS-HY1835MR6-3**  
UHF RFID Label

## KEY DATA

Chip: Monza R6  
Antenna Size: 35 × 18 mm  
Format: Dry Inlay, Wet Inlay,  
White Paper

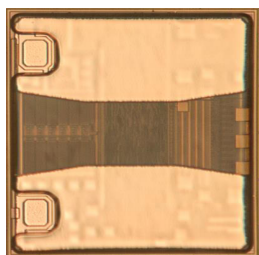


**RS-HY1835MR6-3**

## APPLICATION

Supply Chain & Logistics Management  
Warehouse Management

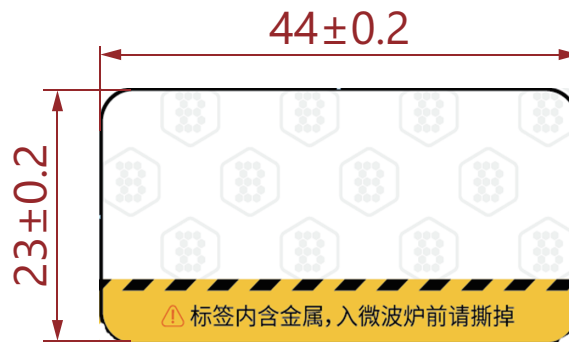
## OVERVIEW



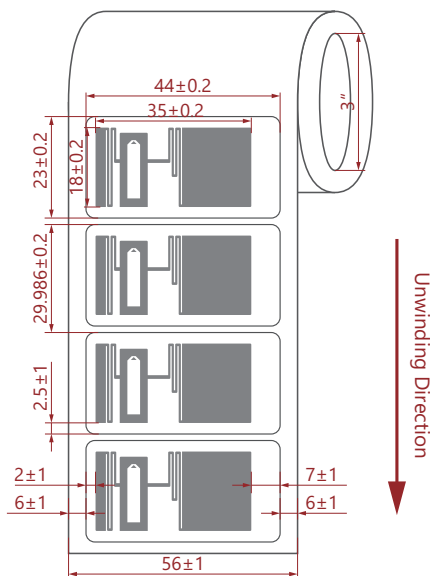
RS-HY-1835MR6-3 UHF RFID label is built with Impinj Monza R6.

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.

## DIMENSIONS

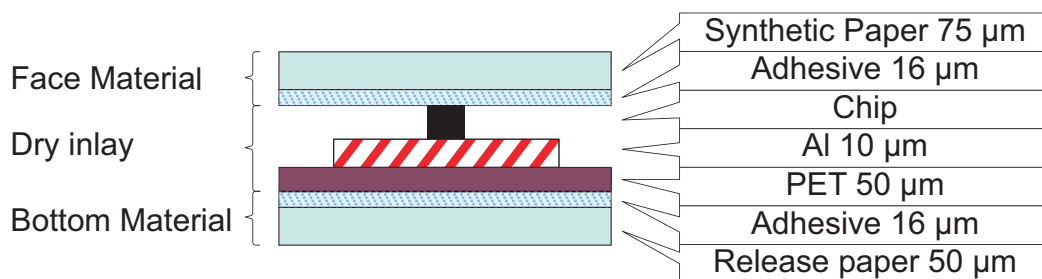


## ORIENTATION



Physical characteristics	Dimensions
Antenna size	35 × 18 mm
Label size	44 × 23 mm
Label pitch	29.986 mm
PET width	56 mm
Dry Inlay thickness	Al 10 μm + PET 50 μm
Reel detail	Web width: 56 ± 1.0 mm Inner core diameter: 3" (76.2 mm) Core thickness: 5 ± 2 mm

## STRUCTURE



## ELECTRICAL CHARACTERISTICS

Item		Description
Face Material		59 g/m <sup>2</sup> , 75 μm Synthetic Paper
Bottom Material		60 g/m <sup>2</sup> , 50 μm Release Paper
Manufacture/IC		Impinj Monza R6
Base Material		PET
Antenna		Etched Al (10 μm) + PET (50 μm)
Protocol		RAIN RFID / ISO 18000-6C and EPC global Gen2v2 Compliant
Memory	User	None
	TID	48 bits
	EPC	96 bits
	Password	Kill Password - None
Access Password - None		
Frequency		860 ~ 960 MHz
Operating Mode		Passive
IC Life		100,000 Programming cycles, 50years data retention
ESD Voltage Immunity		Max. 2000 V

## ENVIRONMENTAL REQUIREMENT

PARAMETER	MINIMUM	MAXIMUM	UNITS	COMMENTS
Extended Operating Temperature	-40	+85	°C	Default range for all functional and performance requirements
Storage Temperature	-40	+85 / 125	°C	At 125°C data retention is 1 year
Assembly Survival Temperature		+150	°C	Applied for one minute
Temperature Rate of Change		4	°C / sec	During operation

## PACKAGING

Reference Packing: Static-free bag with zipper; 2500 ± 20 Pcs/roll, 4 rolls/ctn (Actual Qty as per Shipping Mark).

