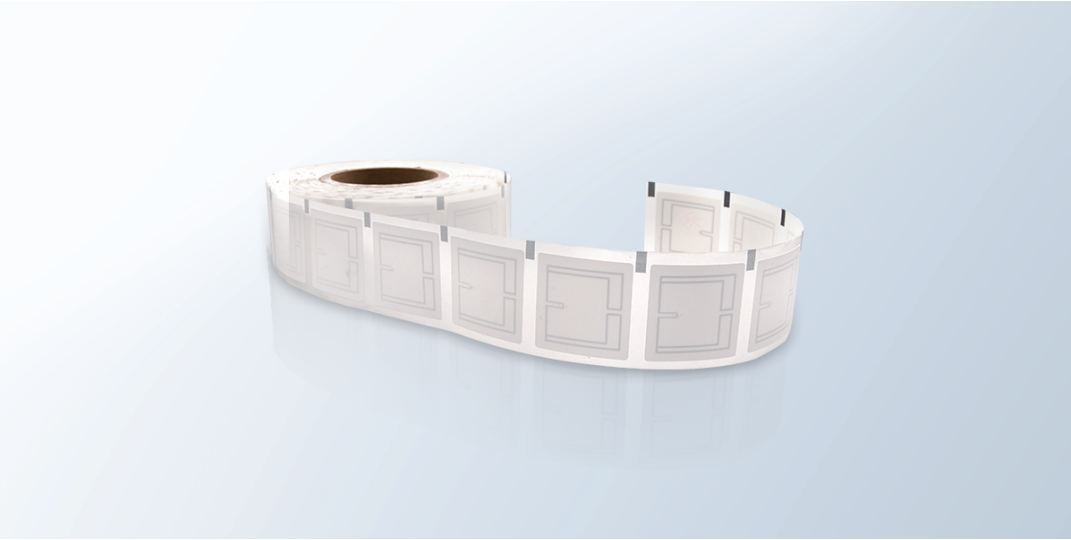


50×50 mm

Impinj® Monza® M781 UHF RFID Label



1. Product Overview

This 50×50 mm RFID label features a 40×40 mm antenna that provides a longer reading distance. The label is embedded with a high-performance Impinj® Monza® M781 chip, which is compliant with international standards ISO/IEC 18000-6C and EPC Global Gen2v2. This label has a large storage capacity and is secure. It has 512 bits of user memory and 128 bits of EPC memory to enhance data storage capacity. Also, the M781 chip provides data-protected mode and unkillable mode. Ideal for applications in the retail industry, institutional organization, medical industry, logistics, supply chain, and so on.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZL-781-PP-5050
Material	PP Synthetic Paper
Size	50×50 mm
Antenna Size	40×40 mm

2.2 Technical Parameters

Operating Frequency	860-960 MHz
Communication Protocol	ISO/IEC 18000-6C, EPC Global Gen2v2
Operating Mode	Passive

Key Features

Operating Frequency	UHF 860-960 MHz
Chip Type	Impinj® Monza® M781
International Standard	ISO/IEC 18000-6C, EPC Global Gen2v2
EPC Memory	128 bits
User Memory	512 bits
Certificate	WEEE compliant



2.3 Chip Characteristics

Chip Manufacturer	Impinj®
Chip Type	Impinj® Monza® M781
Data Retention	20 years
EPC Memory	128 bits
TID Memory	48 bits
User Memory	512 bits
Write Endurance	100,000 times
Read Sensitivity	-23.5 dBm
Write Sensitivity	-20.5 dBm
High Data Integrity	16 bits CRC
Kill/Access Password	32 bits
Omnidirectional Reading	Impinj Core3D Antenna
Protected Mode	Yes
Unkillable Mode	Yes

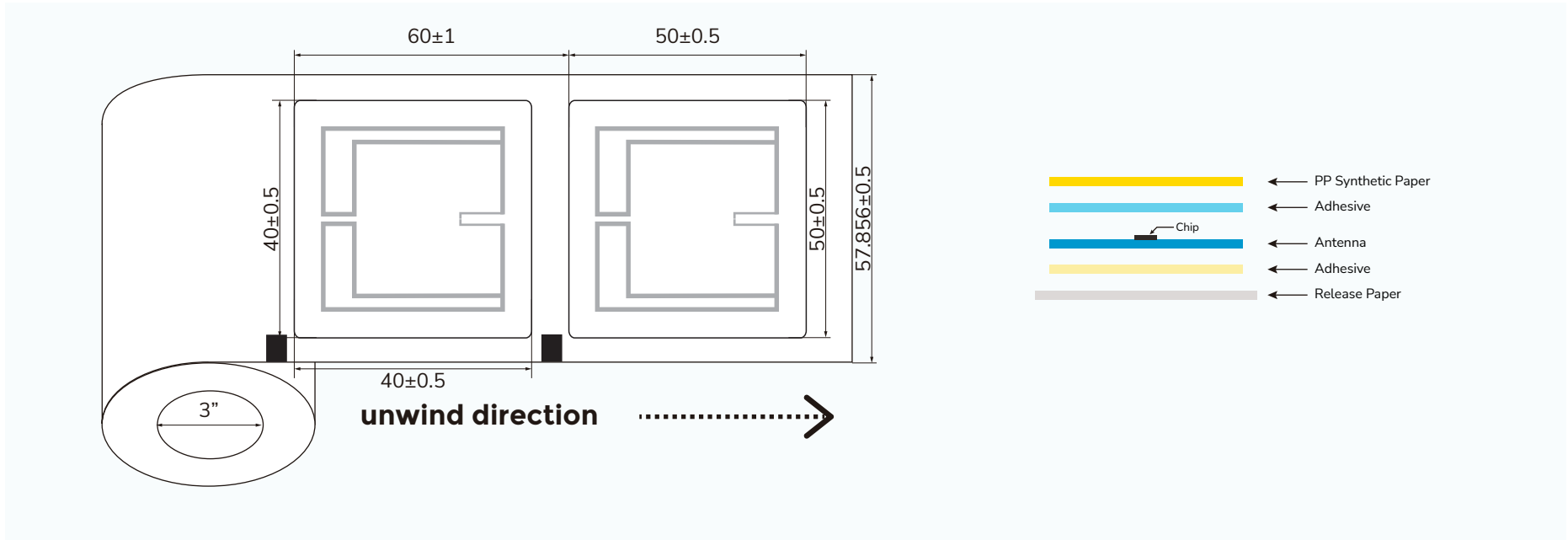
2.4 Additional Information

Operating Environment	Label attach: +10°C~+40°C, 20%~80% RH After label attached: -20°C~+50°C, 20%~80% RH
Storage Environment	+18°C~+28°C, 40%~60% RH
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

2.5 Packaging

Packing Format	Packed in roll, vacuumed packing in ESD bag
Roll OD	Max. 8.27 Inch/ 210mm
Core ID	3 inch(76.20±0.50mm)
Packing Quantity	1000/roll (0.873kg/roll)

3. Label Dimensions



 <https://rfidlabel.com>
 sales@rfidlabel.com

Singapore Office: 51 Goldhill Plaza #07-07 Singapore 308900
Shenzhen Office: 33-408, Qianhai SZ-HK Fund Town, Nanshan, Shenzhen, China 518052
Shenzhen Factory: Q5, XingDao Industrial Park, LongGang, Bantian, Shenzhen, China 518129

