AZL-SLIX2-CPET-8050

80×50mm NXP® ICODE® SLIX2 NFC Label



Key Features

Operating Frequency
HF 13.56 MHz

Chip Type
NXP® ICODE® SLIX2

International Standard
ISO/IEC 15693, 18000-3, NFC Forum Type 5

User Memory
320 bytes

Read Range
Up to 1.5 m

1. Product Overview

This high-performance NFC label features the advanced NXP® ICODE® SLIX2 chip and supports ISO/IEC 15693, ISO/IEC 18000-3, and NFC Forum Type 5 standards. Designed to deliver efficient data transmission and enhanced reading sensitivity, it ensures stable and reliable performance even in challenging environments and medium-range reading applications. With a carefully optimized dimension of 80×50 mm, the label achieves an ideal balance between compact design and antenna performance, allowing for easy integration into various products and installation environments. It offers 2560 bits of user memory, providing sufficient storage capacity for different types of data and application requirements.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZL-SLX2-CPET-8050
Material	Clear PET
Label Size	80×50 mm
Antenna Size	76×45 mm

2.2 Technical Parameters

Operating Frequency	13.56 MHz
Communication Protocol	ISO/IEC 15693, ISO/IEC 18000-3, NFC Forum Type 5
Read Range	Up to 1.5 m
Capacitance	23.5 pF
Operating Mode	Passive

2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	NXP® ICODE® SLIX2
Data Retention	50 years
User Memory	320 bytes
UID Memory	8 bytes
Write Endurance	100,000 times
Reading Rate	53 Kbit/s
High Data Integrity	16-bit CRC
Lock Mechanism	EAS, AFI, DSFID
Anti-Collision Function	Yes
Password	32-bit protected EAS and AFI functionality
Originality Signature	32 byte

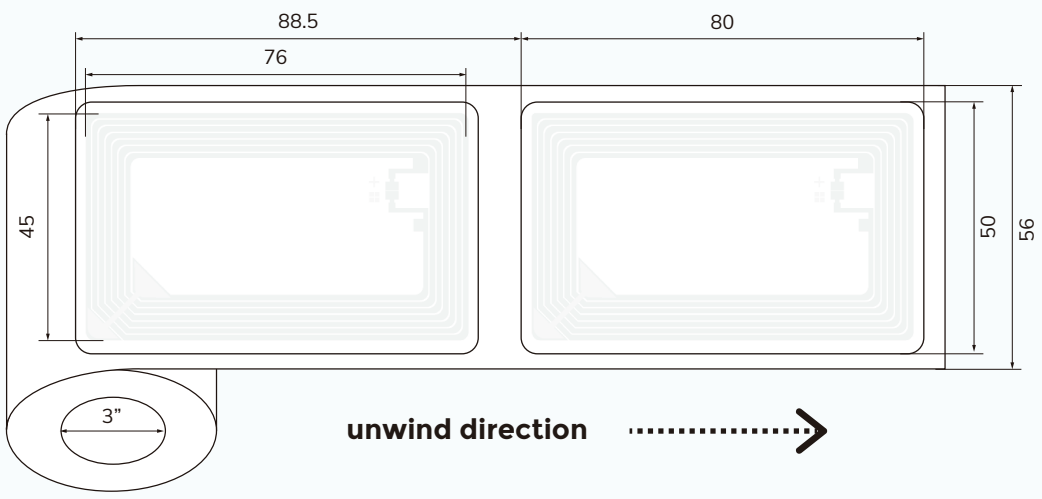
2.4 Additional Information

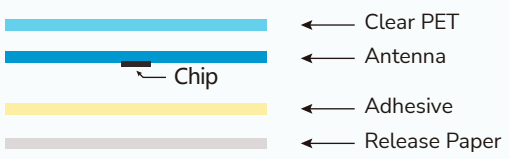
Operating Environment	-20°C~+50°C, 20%~80% RH
Storage Environment	+18~+28°C, 40%~60% RH
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

2.5 Packaging

Packing Format	Packed in roll, vacuumed packing in ESD bag
Roll OD	Max. 178 mm
Core ID	3 inch(76.2 ± 0.50 mm)
Packing Quantity	1500/roll (2.51kg/roll)

3. Label Dimensions





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