

# NXP MIFARE Ultralight® C

## ABS RFID Key Fob Tag

AZKF-UTL C-ABS



### Key Features

**Operating Frequency**  
HF 13.56MHz

**Chip Type**  
NXP MIFARE Ultralight® C

**International Standard**  
ISO/IEC 14443-A 3, NFC Forum Type 2 Tag

**EEPROM Memory**  
144 bytes

**R/W Availability**  
R/W

**Certificate**  
WEEE directive

**Characteristics**  
Waterproof

**Cloning Protection**

**Protected Data Access Via 3DES Authentication**

## 1. Product Overview

The MIFARE Ultralight® C chip is the leading contactless IC supporting 3DES cryptography in limited-use applications. Our MIFARE Ultralight C key fob is a contactless RFID key fob combines the characteristics of ABS material and the high-security features of the MIFARE Ultralight C chip, making it very suitable for cashless payment, event ticketing, hospitality management, loyalty programs, etc.

## 2. Product Parameters

### 2.1 Physical Characteristics

SKU	AZKF-UTL C-ABS					
Material	ABS					
Model No.	ABS-01	ABS-02	ABS-03	ABS-06	ABS-08	ABS-08 (slotless)
Size	44×31×5mm	35×28×4.8mm	40×32×3.8mm	51×32×5.9mm	37×30×8mm	37×30×8mm
Color	<div><div>Red</div><div>Yellow</div><div>Blue</div><div>Black</div></div> <div><div>Grey</div><div>Green</div><div>Orange</div></div>	<div><div>Red</div><div>Yellow</div><div>Blue</div><div>Black</div></div> <div><div>Grey</div><div>Green</div><div>Orange</div></div>	<div><div>Red</div><div>Yellow</div><div>Blue</div><div>Black</div><div>White</div></div> <div><div>Grey</div><div>Green</div><div>Orange</div><div>Brown</div><div>Light Green</div></div>	<div><div>Red</div><div>Yellow</div><div>Blue</div></div>	<div><div>Red</div><div>Yellow</div><div>Blue</div><div>Black</div></div> <div><div>Grey</div><div>Green</div><div>Orange</div><div>Light Green</div></div>	<div><div>Red</div><div>Yellow</div><div>Blue</div><div>Black</div></div> <div><div>Grey</div><div>Green</div><div>Orange</div><div>Light Green</div></div>
Weight	5g/piece	4g/piece	4g/piece	5.5g/piece	5g/piece	5g/piece

### 2.2 Packaging

Format	Packed in box					
Quantity	50 pieces/bag, 1500 pieces/carton	100 pieces/bag, 2500 pieces/carton	100 pieces/bag, 2500 pieces/carton	50 pieces/bag, 1500 pieces/carton	50 pieces/bag, 2000 pieces/carton	50 pieces/bag, 2000 pieces/carton
Carton Dimension	49×24×20cm					
Weight	N.W. 7.5KG/carton, G.W. 8.5KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 8.25KG/carton, G.W. 9KG/carton	N.W. 10KG/carton, G.W. 11KG/carton	N.W. 10KG/carton, G.W. 11KG/carton



2.3 Technical Parameters

Operating Frequency	13.56MHz
Communication Protocol	ISO/IEC 14443-A 3, NFC Forum Type 2 Tag
Memory	144 bytes
OTP Area	32 bit
Anti-collision	Support
Access Protection	3DES authentication

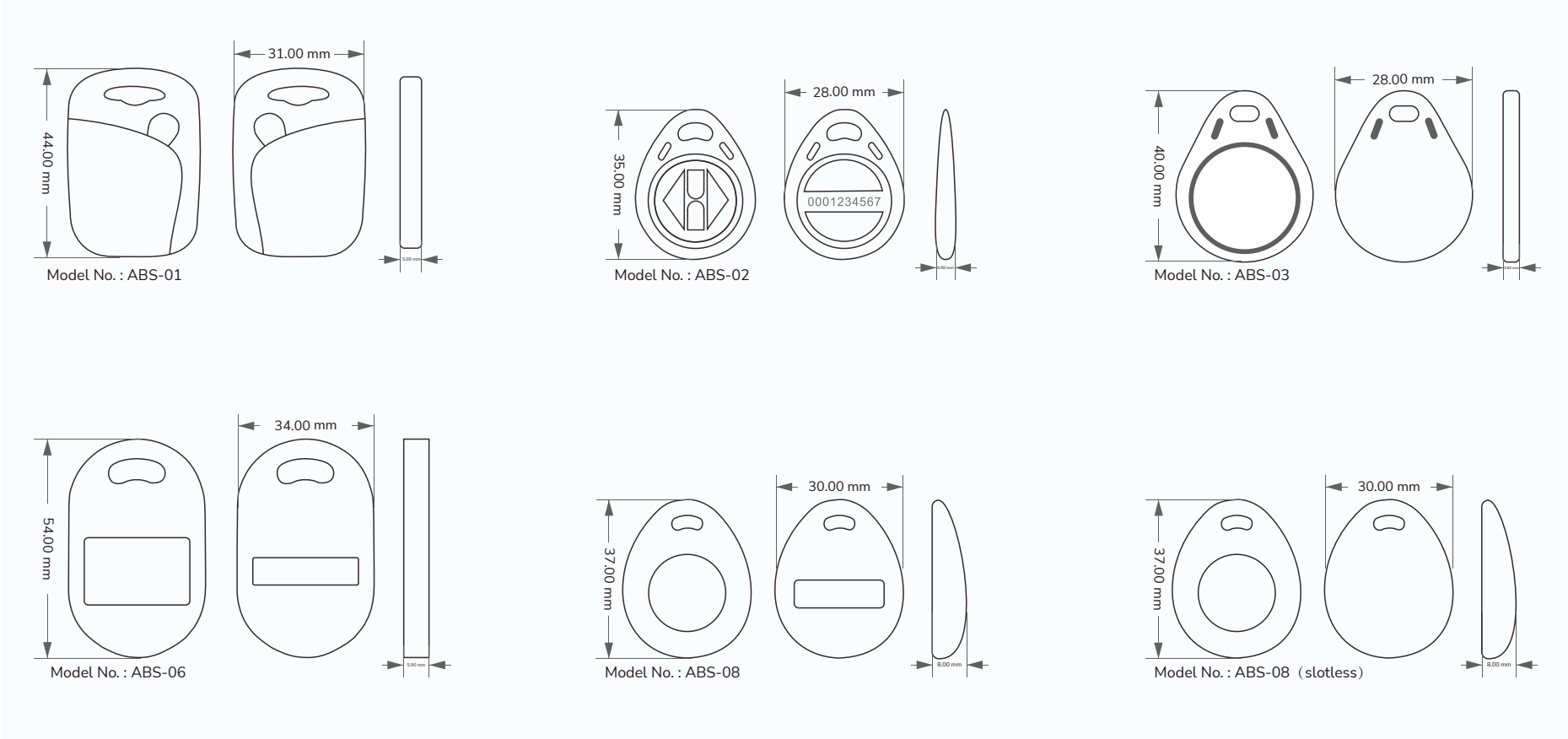
2.4 Chip Characteristics

Chip Manufacturer	NXP
Chip Type	MIFARE Ultralight® C
Data Retention	10 years
Write Endurance	100,000 times
Operating Distance	up to 10cm
Number of Single Write Operations	32 bit

2.5 Additional Information

Operating Environment	-20°C to +80°C
Application	Event ticketing   Loyalty Programs   Hospitality management   Cashless payment

3. Size and Specification Drawing



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