



ID-Tune-A220-I3

HF/NFC Inlay and Label

IC Speciality

Identiv's ID-Tune-A220-I3, powered by NXP ICODE3 IC, delivers enhanced performance with SELFAdjust technology and a fast 212 kbit/sec read rate. ID-Tune-A220-I3 offers 2.4 kbit of user memory and extended NFC features, including automatic mirroring of UID, and tap counter.

Security is strengthened with a Customizable Originality Signature and two password-protected untraceable modes, making NXP's ICODE3 ideal for applications demanding high performance, security, and data protection.

Key Features

- **SELFAdjust mechanism for 23pF variant** to adjust RF performance to the optimum in current environment
- **Customizable Originality Signature of 32 or 48 bytes** (based on ECC) for tag authenticity
- Available as **dry inlay, wet inlay, and label**

Frequency

- HF 13.56 MHz

Antenna Dimensions

- 33.2x15mm

Chip

- NXP ICODE 3

International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693

Industries

- Automotive
- Smart home
- Smart city
- Industrial

Applications

- Authentication
- General purpose NFC applications
- Secure authentication
- Smart posters

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	9001138	9001139	9001140
Manufacturing Part Number	I00XXXII0331	I00PADII0331	L15XADII0331
Chip	NXP ICODE 3	NXP ICODE 3	NXP ICODE 3
User Memory	2.4kbit	2.4kbit	2.4kbit
Antenna Dimension	33.2 x 15mm	33.2 x 15mm	33.2 x 15mm
Tag Dimensions	36 x 18 mm	36 x 18 mm	36 x 18 mm
ISO/IEC Norm	ISO/IEC 15693	ISO/IEC 15693	ISO/IEC 15693
Frequency	13.56 MHz	13.56 MHz	13.56 MHz
Face Material	-	Clear PET	White PET
Thickness	~ 190 µm	~ 285 µm	~ 290 µm
Pitch	48 mm	48 mm	48 mm
Web Width	30 mm	30 mm	30 mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH
Storage Information	2 years under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH

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Care and handling: To minimize static charge and environmental impact, it's crucial to adhere to standard industry practices related to electronics and RFID when handling RFID inlays, as they are sensitive to ESD.

Application: To ensure that this product meets specific requirements, customers/users must thoroughly test it under end-use conditions. Identiv does not claim that the product is suitable for any particular purpose or use. Additionally, Identiv retains the right to modify, supplement, change, or discontinue product offerings at any time without prior notice. While the information presented here is believed to be reliable, Identiv does not guarantee the accuracy or correctness of the data.

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