



ID-Tiny-A798-I3

HF Inlays

Product Capabilities

Our ID-Tiny-A798-I3, powered by the NXP ICODE® 3 IC family, is ideal for medical, pharma, and consumer applications in space-limited environments. With a 97 pF capacitance, it delivers excellent performance on small surfaces.

Leveraging NXP's SELFAdjust technology, the tag offers a fast 212 kbit/sec read rate, 2.4 kbit user memory, and NFC features like automatic UID mirroring and a tap counter. Security is enhanced with a Customizable Originality Signature and two password-protected untraceable modes, making the ID-Tiny-A798-I3 perfect for applications requiring high performance, reliability, and data protection.

Key Features

- Get the best performance from **capacitance of 97pF**
- Read tiny tags with the **most common smartphones**
- **SELFAdjust mechanism** 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 with **temperature-stable antenna** substrate
- Available as **dry inlay** or **wet inlay**

Frequency

- HF 13.56 MHz

Antenna Dimensions

- Ø 6 mm

Chip

- NXP ICODE® 3

International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693

Industries

- Beauty and personal care
- Pharma and Healthcare
- Retail and Consumer goods

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Specifications

Format	Dry Inlay	Wet Inlay
Product Part Number	9001164	9001165
Manufacturing Part Number	I00XXIQ9006	I00PADIQ9006
IC	NXP ICODE® 3	NXP ICODE® 3
User Memory	2400 bits	2400 bits
Antenna Dimension	Ø 6 mm	Ø 6 mm
Tag Dimensions	Ø 6 mm	Ø 7 mm
ISO/IEC Norm	ISO/IEC 15693	ISO/IEC 15693
Frequency	13.56 MHz	13.56 MHz
Face Material	—	—
Thickness	~ 210 µm	~ 310 µm
Pitch	25.4 mm	25.4 mm
Web Width	35 mm	35 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
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

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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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