



ID-Tiny A613 - ST25TV02KC-AFG9 HF Inlays

IC Speciality

Identiv's Tiny Tag Portfolio with the STMicroelectronics (STMicro) ST25TV high-capacitance IC family is a game-changer for medical applications, pharmaceuticals, and consumer products with limited spaces. Featuring a capacitance of 99.7pF, ST25TV-IC boasts the best performance on a small surface and is the perfect solution for space-limited environments.

The Tiny Tag Portfolio with ST25TV-IC integrates into medical equipment and provides secure authentication of medication or luxury goods. The user memory of the tag is protected by a 64-bit password or two 32-bit passwords in flexible dual area mode.

Key Features

- Get best performance from **capacitance of 99.7pF**
- Read tiny tags **with most common smartphones**
- Configure user memory **in one or two areas**
- **Protect access** with one 64-bit password in single area-mode or two 32-bit passwords in flexible dual-area mode
- Optional **tamper-proof release** coating
- Available with **temperature-stable antenna** substrate
- Available as **dry inlay** or **wet inlay**

Frequency

- NFC 13.56 MHz

Antenna Dimensions

3,5 x 13 mm

Chip

- STM ST25TV02KC-AFG9

International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693

Industries

- NFC
- Gaming and toys
- Electronics
- Pharma and healthcare

Specifications

Format	Dry Inlay	Wet Inlay
Product Part Number	9001052	9001053
Manufacturing Part Number	I00XXXT90040	I00PADT90040
IC	STM ST25TV02KC-AFG9	STM ST25TV02KC-AFG9
User Memory	2560 bits	2560 bits
Antenna Dimension	3.5 x 13 mm	3.5 x 13 mm
Tag Dimensions	3.5 x 13 mm	4.5 x 14 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	20 mm	20 mm
Web Width	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
Storage Information	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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