

Integrated Circuit for Contactless Identification Transponders and Cards

Integrated resonance capacitor of 210 pF with ±5 % tolerance over full production

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■ Modulation Read/Write Device → Transponder: 100 % ASK and Binary Pulse Length Coding Modulation Transponder → Read/Write Device: Strong ASK modulation with Anticollision, Manchester and Bi-phase Coding

> Fast Anticollision Protocol for inventory tracking: 100 Tags in 3.2 seconds Cyclic Redundancy Check (CRC) Optional Transponder Talks First Modes with user defined data length Temporary switch from Transponder Talks First into Reader Talks First Mode

Two memory options (256 bit, 2048 bit)

 Up to 100000 erase/write cycles 10 years non-volatile data retention Secure Memory Lock functionality

Data Rate Read/Write Device to Transponder: 5.2 kBit/s

Data Rates Transponder to Read/Write Device: 2 kBit/s, 4 kBit/s, 8 kBit/s

ISO 14223 (Animal ID with anticollision and read/write functionality)

Frequency range 100 kHz to 150 kHz.

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Protocol

Memory

Supported standards Full compliant to ISO 11784/85 Animal ID Targeted to operated on hardware infrastructure of new upcoming standards

32 bit Unique Identification Number (UID)

Sawn, gold - bumped 8"Wafer

Sawn, gold - megabumped 8" Wafer Contactless Chip Card Module MOA2

Beer keg and gas cylinder logistic

Brand Protection Applications

48 bit secret key based encrypted authentication

ISO 18000-2 (AIDC Techniques-RFID or Item Management) Supports German Waste Management Standard and Pigeon Race Standard

Security features

Delivery types

Applications

 Animal Identification Laundry Automation

Pigeon Race Sports

HVSON2

SeriesHT8x

General product disclaimer

version

Package

()Uncased

Orderable part number

HTSICC5601EW/C7:00

HT8ICC5601EW/C7,02

HT8ICC5601EW/C7,00

die

Quality and reliability disclaimer

- HITAG S transponder IC
- Outline Reflow-Mave

soldering

Wafer, Sawn on FFC, Active Non-Conductive

Chemical content

HTSICC5601EW/C7

HTSICC5601EW/C7

HTSICC5601EW/C7

All information on this product information page is subject to the subsequent disclaimers:

Packing

Wafer, Sawn on FFC,

Die In Waffle Carriers

RoHS / RHF

EU/CN RoHs COMPLIANT

EU/CN RoHs COMPLIANT

EU/CN ROHS COMPLIANT

Non-Conductive

Product

status

Active

Active

★T

1

1

Marking

Standard

Marking

Standard

Marking

Standard

Leadfree conversion date

Marking

Always Pb-free

Always Pb-free

Always Pb-free

Short data sheet

Application note

Leaflet

pdf

pdf

pdf

Orderable part number,

(Ordering code (12NC))

HTSICC5601EW/C7:00

HTSICC5601EW/C7,02

HTSICC5601EVV/C7,00

MSL

NA.

NA.

NA.

MSL LF

NA

NA

NA

2014-12-18

2003-02-13

2014-12-17

Order samples

not available

(9352 941 91003)

(9352 941 91026)

(9352 941 91005)

Quality, reliability & chemical content Type number

Package

Type number

HTSICC5601EW/C7

HTSICC5601EW/C7

HTSICC5601EW/C7

HTSICC5601EW/C7

Quality and reliability disclaimer								
ocumentation for this product								
Download all documentation (zip)								
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AN10214-01; Transponder IC; Hitag S Coil

most valuable assets & increase customer

RFID for brand protection - secure your

HITAG S transponder IC

Design Guide

engagement

3 75017595

4 HTSICH56_48_SDS

⊕ HT081410

Type number HTSICC5601EWIC7	Ordering code (12NC) 9352 941 91003	Orderable p	oart 01EW/C7:00	Region	Distributor	ln stock	Order quantity	Inventory date	Buy online	Samples Order samples	
Ordering & availability											
⊕ HTSICC56_48_Megabumped_wafer_spec_145832			Data sheet addendum: HITAG S; * HTSICC56/HTSICC48 megabumped wafer specification				Other type		pdf	2009-06-29	
⊕ HTSH5601ETK_HVSON2_Package_spec_107132			Data sheet addendum: HITAG S; ** HTSH5601ETK/HTSH4801ETK HVSON2 package specification				Other type		pdf	2009-06-29	
⊕ HTSICH56_48_Bumped_wafer_spec_079032			Data sheet addendum: HITAG S; ** HTSICH56/HTSICH48 bumped wafer specification				Other type		pdf	2009-06-29	
⊕ HT078830			Data sheet addendum: HITAG S; HTS MO 🕏 🕏 H32/HTS MO H56/HTS MO H48, Contactless Chipcard Module Specification				Other type		pdf	2003-12-01	
⊕ HT124430	T124430			Data sheet addendum: HITAG S; HTS IC * H32/HTS IC H56/HTS IC H48 Transponder IC; Bumped Sawn Wafer on UV Tape Specification					pdf	2006-05-17	

Sample Sample orders normally take 2-4 days for delivery.

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Erase all

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