UHF RFID · 860–960 MHZ · ON-METAL PCB TAG

IDTS-P2312-25

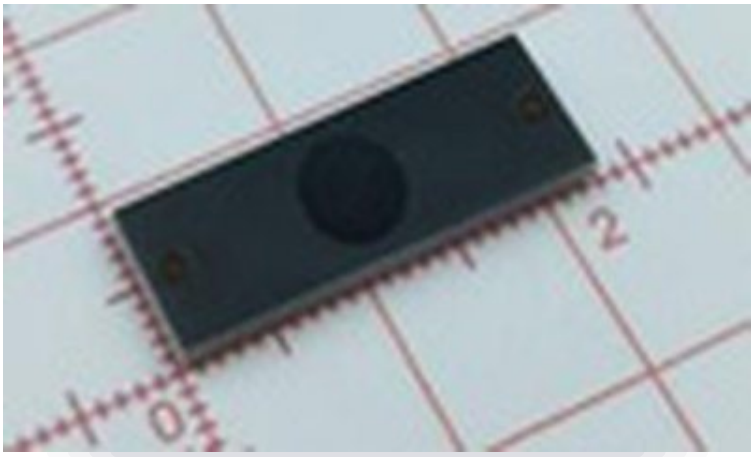
A wider 23 × 12 × 2.5 mm on-metal UHF tag with an H9 chip for line fixtures and carriers.

H9 chip | EPC Gen2 | Up to 200 cm | 23 × 12 × 2.5 mm | 2 mm screw hole

Track carriers from station to station.

The **Identium IDTS-P2312-25** measures 23 × 12 × 2.5 mm, wider than most compact tags of this length. It carries an H9 chip, reads at up to 200 cm from a metal surface and has a 2 mm aperture for a screw or rivet.

That suits fixture plates, carriers and metal sub-assemblies read as they move between stations. A fixed UHF reader at each station records which carrier passed and when, against the job number written to the tag.



200 cm	23 × 12	2.5 mm	2 mm	860–960
Max. read range	mm footprint	Body thickness	Screw or rivet hole	MHz, India band incl.

WHAT IT DOES

Read, fix and encode

READ
H9 chip, EPC Gen2

- Up to 200 cm from metal
- Fixed reader at each station
- India's 865–868 MHz band
- Standard UHF readers

FIX
2 mm aperture

- Screw or rivet
- Flat machined face
- Thread-locker if it vibrates
- Face clear of overhangs

ENCODE
Carrier or job number

- Write it before the line
- Any UHF desktop reader
- Or supplied pre-numbered
- Read once after fitting

WHERE IT WORKS

Where the tag goes

WIP carriers	Fixture plates	Pattern plates	Cable drums	Job-work jigs	Station records
Carriers between stations	Line fixtures	Foundry and pattern shops	Drum identification	Jigs out for job work	Time at each station

HOW IT WORKS

From a tagged carrier to your WIP records

Metal assets
Carriers, fixture plates, pattern plates, drums and jigs

→

IDTS-P2312-25
ON-METAL UHF PCB TAG
- Fixes with a 2 mm screw or rivet
- Holds the carrier or job number
- Reads from metal at up to 200 cm
- Answers EPC Gen2 readers
- Read at every station it passes

→

UHF reader
Fixed reader at each station, handheld for checks, 865–868 MHz

→

Your software
WIP tracking or your own production records

Readers to match
Handheld readers for audit rounds, fixed readers for gates and stations, desktop readers to encode before fitting.

WHY THE IDTS-P2312-25

A wider tag for production lines

Wider 12 mm body
23 × 12 × 2.5 mm: wider than most compact tags around this length, for flat faces on fixtures and carriers.

Up to 200 cm from metal
Range depends on reader output power, antenna gain and the metal surface it is fixed to.

Station-by-station records
A fixed UHF reader at each station records which carrier passed and when.

Screw or rivet fixing
Fix it through the 2 mm hole on a flat machined face; use thread-locker on carriers that vibrate.

Catch a bad fixing early
Read each tag once after fitting, so a bad fixing shows up at the bench.

H9 chip, EPC Gen2
EPC Class 1 Gen2 / ISO 18000-6C over 860–960 MHz, which covers India's 865–868 MHz band.

Your own part numbers
Write your EPC numbers with any UHF desktop reader, or give your numbering scheme with your quotation.

Clear line to the reader
Keep the tag face clear of overhanging metal so the reader antenna can see it.

CHIP AND AIR INTERFACE

Air interface

PARAMETER	IDTS-P2312-25	NOTES
Chip	H9	Read and written over EPC Gen2
Air interface	EPC Class 1 Gen2 / ISO 18000-6C	Standard UHF handheld, desktop and fixed readers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 200 cm	Depends on reader and mounting
Encoding	Your tool or asset number	Written with a UHF desktop reader before fitting

Read range depends on the reader, its antenna and power, the mounting and the metal surface.

AT A GLANCE

- Up to 200 cm from a metal surface
- 2 mm aperture for screw or rivet fixing
- H9 chip, EPC Class 1 Gen2 / ISO 18000-6C

SUPPLIED AS

- IDTS-P2312-25 on-metal PCB tags
- Blank, or supplied with your numbering scheme

ORDERING

IDTS-P2312-25	UHF on-metal PCB tag, 23 × 12 × 2.5 mm, H9 chip, 2 mm aperture.

SPECIFICATIONS

Technical data

RF AND CHIP

Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Class 1 Gen2 / ISO 18000-6C
Chip	H9
Read range	Up to 200 cm (depends on reader and mounting)

READING AND ENCODING

Readers	Any EPC Gen2 UHF reader on 865–868 MHz
Encoding	UHF desktop reader, before fitting
Audits	UHF handheld reader

MECHANICAL

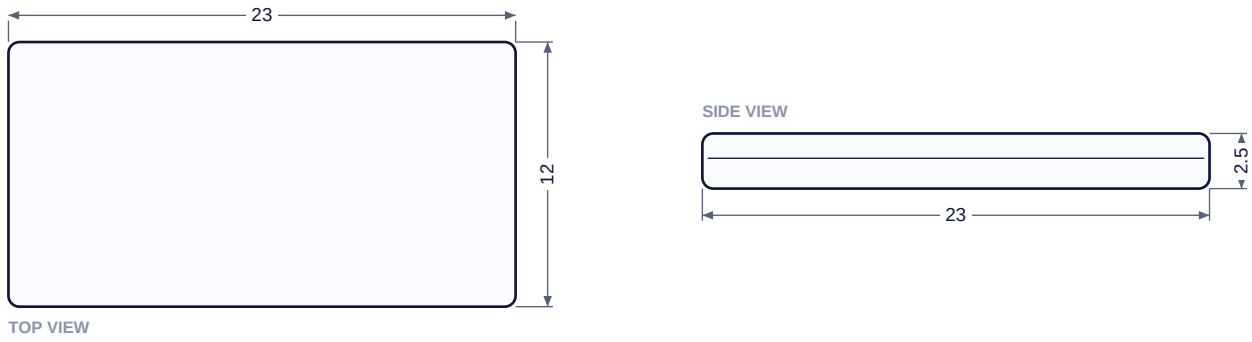
Dimensions	23 × 12 × 2.5 mm
Material	PCB
Mounting	2 mm aperture for screw or rivet
Surface	Made to be fixed directly on metal

FIXING

Aperture	2 mm
Fasteners	Screw or rivet
Vibration	Thread-locker on carriers that vibrate
Face	Clear of overhanging metal

MECHANICAL

Dimensions



Top and side views, mm. 2 mm aperture.

Tag your carriers and fixtures.

Ask for a quotation with the quantity and your numbering scheme, and tell us the carriers or fixtures and the stations you want to read.

www.indiarfidstore.com
marketing@indiarfidstore.com
+91 70110 01472

Read range depends on the card or tag, its size and the environment. Specifications are indicative and may change without notice; confirm details for your order in the quotation.