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

IDTS-P5010-30

A 50 × 10 × 3 mm on-metal UHF bar tag for flanges and rails, listed up to 350 cm.

R6P/781 chip | Up to 350 cm | 50 × 10 × 3 mm | 3.5 mm aperture | EPC Gen2 / 18000-6C

A bar tag for flanges, rails and uprights.

The **Identium IDTS-P5010-30** is shaped like a bar: 50 mm long, 10 mm wide and 3 mm thick. It suits metal parts that offer length but little width, such as the flange of a steel section, a shelving upright, a machine guard rail or a tool holder.

Its 3.5 mm aperture takes a heavier screw or rivet than the 2 mm and 3 mm holes on shorter narrow tags. The R6P/781 chip works on EPC Class 1 Gen2 / ISO 18000-6C, with a listed read range of up to 350 cm.



350 cm — Listed read range, up to

50 × 10 — mm footprint

3 mm — Thick

3.5 mm — Aperture, screw or rivet

860–960 — MHz, covers 865–868 MHz

WHAT IT DOES

Read, fix it, check the row

READ
R6P/781 chip, EPC Gen2

- Up to 350 cm, listed
- Handheld checks along a rack
- Any standard UHF reader
- 860–960 MHz, covers 865–868 MHz

FIX
3.5 mm aperture

- A sturdier screw or rivet
- Underside flush on the metal
- Rigid PCB: mount it flat
- Flat pad or bracket on tubes

USE
Long, narrow metal parts

- Flanges of steel sections
- Shelving and rack uprights
- Guard rails and tool holders
- Yard rows of formwork

WHERE IT WORKS

Where the tag goes

Steel sections
Sections and flanges

Racking
Shelving and uprights

Formwork
Formwork, scaffolding

Machine guards
Guard rails

Tool holders
Tool holders

Conveyors
Conveyor frames

HOW IT WORKS

From a tagged section to your yard records

Your assets
Steel sections, uprights, formwork, guards and conveyor frames

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IDTS-P5010-30
50 × 10 MM ON-METAL UHF BAR
- Holds your asset number in the EPC
- Fixed by one 3.5 mm screw or rivet
- Sits flush on the metal
- Read at up to 350 cm
- Answers any Gen2 reader

→

UHF reader
Handheld walked along a rack or yard row; 865–868 MHz

→

Your software
Yard inventory, rental fleet or asset register

Readers on India's band
Every standard UHF reader for India's 865–868 MHz band supports EPC Class 1 Gen2 / ISO 18000-6C.

WHY THE IDTS-P5010-30

Length where width is short

Bar-shaped
50 × 10 × 3 mm fits parts with length but little width: flanges, uprights, guard rails, tool holders.

Sturdier fixing
The 3.5 mm aperture takes a heavier screw or rivet, which helps on parts that are handled roughly.

Up to 350 cm
Covers handheld checks along a rack or a yard row.

Made for metal
A rectangular on-metal PCB tag designed for direct mounting on metal.

Flush for full range
Fix it so the underside sits flush; a flat seat keeps the tag tuned and the read long.

Round tubes and pipes
Weld or bolt a small flat pad or bracket to the tube and fix the tag to that.

Standard Gen2
EPC Class 1 Gen2 / ISO 18000-6C, read and encoded by standard UHF readers.

Your chip preference
If your software needs one specific chip, say so in your quotation request.

CHIP AND MEMORY

Air interface and memory

PARAMETER	IDTS-P5010-30	NOTES
Chip	R6P/781	As listed for this tag
Protocol	EPC Class 1 Gen2 / ISO 18000-6C	Read and encoded by standard UHF readers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 350 cm	Depends on reader and mounting
Size	50 × 10 × 3 mm	Bar shape
Mounting	3.5 mm aperture	Screw or rivet, underside flush

Read range is the listed figure; reader power, antenna, orientation and how flat the tag sits on the metal all affect it.

AT A GLANCE

- 50 × 10 × 3 mm bar for long, narrow metal parts
- Listed read range up to 350 cm
- 3.5 mm aperture for a screw or rivet

SUPPLIED AS

- IDTS-P5010-30 bar tags
- Name any specific chip your software needs with your quotation request

ORDERING

IDTS-P5010-30 — 50 × 10 × 3 mm on-metal UHF PCB bar tag, R6P/781 chip, 3.5 mm aperture, up to 350 cm.

SPECIFICATIONS

Technical data

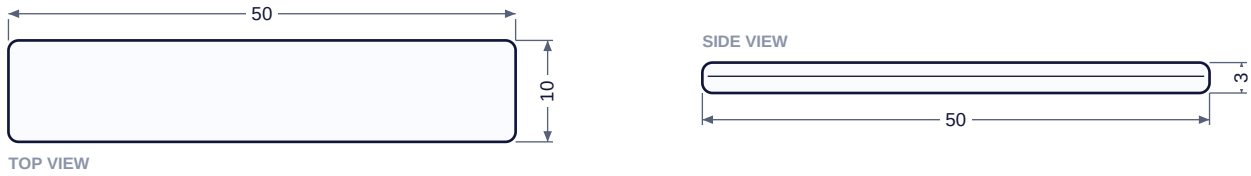
RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Class 1 Gen2 / ISO 18000-6C
Chip	R6P/781
Read range	Up to 350 cm (depends on reader and mounting)

FITTING	
Seat	Underside flush on flat metal
Tubes and pipes	On a small flat pad or bracket

MECHANICAL	
Dimensions	50 × 10 × 3 mm
Type	Rectangular on-metal PCB tag
Mounting	3.5 mm aperture
Mounting surface	Metal (on-metal design)

MECHANICAL

Dimensions



Top and side views, mm. 3.5 mm aperture.

Tag your sections and uprights.

Ask for a quotation with the quantity and any chip your software needs, and tell us the parts you plan to tag.

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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.