UHF RFID · 860–960 MHZ · SMALL ROUND INLAY

ID-D012-U8

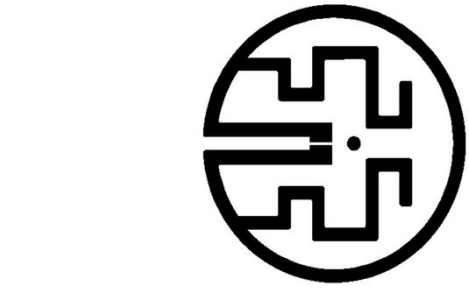
A compact round UHF tag on the U8 chip for caps, lids, tool handles and part packets.

U8 chip | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m | Round, for caps

Made for the round spot on a cap or lid.

Many small items have one usable flat spot, and it is round: a cap, a tool handle, a sample tub lid. The **Identium ID-D012-U8** is a compact round UHF RFID inlay on the U8 chip, made for exactly those spots.

It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and is listed for reads up to 6 m with a suitable reader. Its thin film follows gently curved caps and handles in labs, workshops and stores.



6 m	860–960	865–868	18000-6C
Read range, up to	MHz operating band	MHz, India UHF band	ISO protocol, EPC Gen2

WHAT IT DOES

Read, fix and encode

READ
U8 chip, EPC Gen2

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band covered
- Up to 6 m, item dependent
- Desktop or handheld reads

FIX
Compact round inlay

- Caps, lids and tool handles
- Thin, flexible film
- Follows gently curved caps
- On the cap of a filled bottle

ENCODE
Your item codes

- Sample, tool or part IDs
- Desktop UHF encoder
- Handheld or RFID printer
- Encode before use

WHERE IT WORKS

Where the tag goes

Lab sample caps
Sample container caps

Reagent lids
Reagent bottle lids

Plastic tools
Tool handles and gauge cases

Kitting bins
Kitting trays and bins

Part packets
Spare-part packets

Shelf counts
Small items at shelf level

HOW IT WORKS

From a cap or packet to your records

Your items
Sample caps, reagent lids, plastic tool handles and part packets

ID-D012-U8
COMPACT ROUND UHF RFID TAG
- Sits on a cap, lid or tool handle
- Holds your sample, tool or part ID
- Answers Gen2 readers, 860–960 MHz
- Read at counter or shelf level
- Up to 6 m, item dependent

UHF reader
Desktop reader at a counter, handheld held close to the shelf

Your software
Sample tracking, tool issue or stores records

Consistent reads on small items
A desktop reader at a counter or a handheld held close to the shelf gives the most consistent reads.

WHY THE ID-D012-U8

A round tag for labs, workshops and stores

Round, for caps and lids
Made for the one round spot many small items have: the top of a cap, the end of a handle, the lid of a tub.

Lab and hospital ready
Tag the caps of sample containers and reagent bottles, with the tag on the cap clear of the filled body.

Workshop tools
Plastic tool handles, gauge cases and kitting trays issued to technicians, counted back in at the stores.

U8 chip, EPC Gen2
EPC Gen2 / ISO 18000-6C across 860–960 MHz: any UHF reader on India's 865–868 MHz band reads it.

Up to 6 m read range
Listed for up to 6 m; keep the tag on the cap or lift it on a spacer near liquid or metal, and test with your reader.

Your own IDs
Write sample, tool or part IDs into the EPC with a UHF desktop encoder, handheld or RFID printer.

Thin, flexible film
Follows gently curved caps and handles on flat or curved surfaces.

A family of round tags
The ID-D010-U8 is a second small round U8 tag with its own antenna layout: test both on your item.

CHIP AND AIR INTERFACE

Air interface and chip

PARAMETER	ID-D012-U8	NOTES
Chip	U8	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF readers and printers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 6 m	Depends on reader, antenna and the tagged item
Form factor	Small round UHF inlay	Round antenna layout

For filled bottles, tag the cap or use a spacer, and test with your own reader.

AT A GLANCE

- Compact round UHF inlay on the U8 chip, EPC Gen2
- Up to 6 m, depending on reader, antenna and the item
- Made for caps, lids, tool handles and part packets

SUPPLIED AS

- ID-D012-U8 compact round UHF RFID inlays
- Samples on request, to test on your own caps, tools or packets

ORDERING

ID-D012-U8 Compact round UHF RFID tag, U8 chip, EPC Gen2 / ISO 18000-6C, 860–960 MHz, up to 6 m.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	U8
Protocol	EPC Gen2 / ISO 18000-6C
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Read range	Up to 6 m, depending on reader, antenna and the tagged item

TAG	
Form factor	Small round UHF RFID inlay
Material	Thin, flexible substrate for flat or curved surfaces

ENCODING AND READING	
Encoding	UHF desktop encoder, handheld or RFID printer
Readers	Standard UHF RFID readers on 865–868 MHz

PRODUCT VIEWS

The round antenna



Test it on your own caps.

Ask for a quotation with the quantity, and tell us which items you are tagging and which reader you use. Samples are available to test first.

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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.