



**RFO-DF10530**  
**Dual Frequency (HF/UHF) Tag**



**Product Description**

**General specifications**

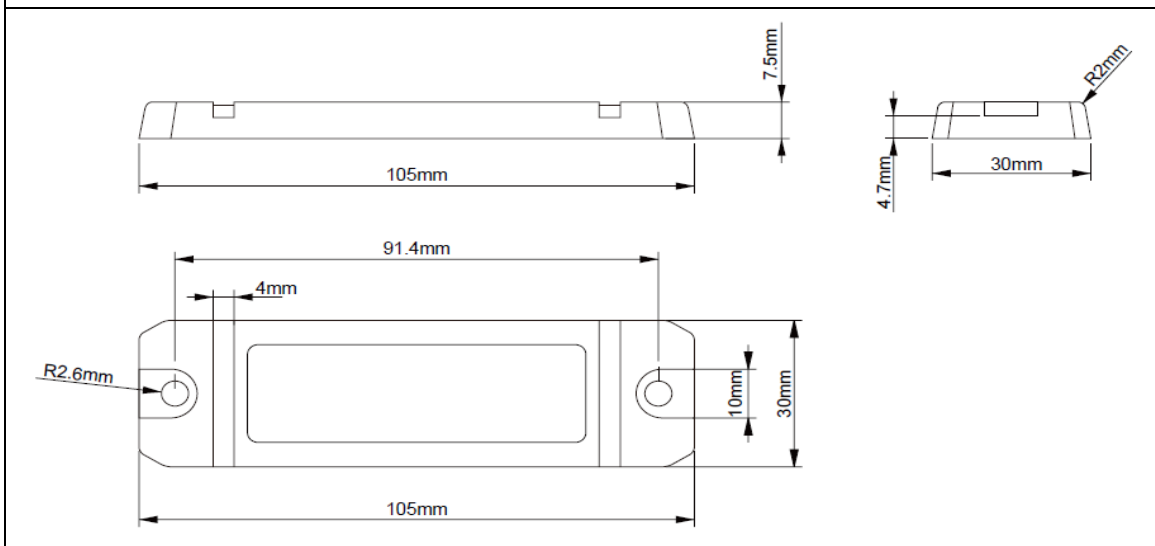
**Dual Frequency On-metal RFID Tag (HF+UHF) RFO-DF10530**

Dual Frequency RFID Tag RFO-DF10530 are equipped with the EM4423 chip that combines two functionalities on one single die: the EPC technology used for long-range application purposes and the NFC technology used to exchange data in close proximity.

Both protocols may share a common, unique ID, Leveraging the IC's unique features, so the RFO-DF10530 can be read by an NFC smartphone and by an UHF RFID reader (mobile or fix).

The RFO-DF10530 is Ultra High Frequency RFID tag + high frequency RFID tag, which is widely application in High-end alcohol products, Luxury, Collectibles, Library and so on.

**Dimension**



**Article no:**

**Typical Applications**

- Bicycle / Vehicle Tracking
- Electronic Toll Collection
- Maintenance
- Trace & Track
- Supply Chain Management
- Factory automation

**Contact:**

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## RFO-DF10530 Dual Frequency (HF/UHF) Tag

### Functional Specifications:

RFID Protocol	ISO/IEC 18000-63, ISO/IEC 14443A-3
Frequency	US(902-928MHZ), EU(865-868MHZ);13.56MHZ
IC type	EM4423
Memory	7 bytes UID (NFC), 96bit TID (EPC);
	1920 bit USER data (NFC), 160 bit USER data (EPC);
	128 bit EPC
Write Cycles	100,000times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Read Range(On Metal) :	Up to 500cm, US ( 902-928MHZ ), On metal
(Fix Reader)	Up to 400cm, EU ( 865-868MHZ ), On metal
Read Range(On Metal) :	UHF 150cm,(on metal),HF 1cm,(on metal and off-metal), US (902-928MHZ)
(Handheld Reader)	UHF 130cm,(on metal),HF 1cm,(on metal and off-metal), EU (865-868MHZ)

### Physical Specification:

Size	105.0x30.0mm, Hole: D5.2mmx2
Thickness	7.5mm
Material	ABS+PC
Colour	White
Mounting Methods	Adhesive, Screw, binding
Weight	27.0g

### Environmental Specification:

IP Rating	IP68
Storage Temperature	-40°C to +85°C
Operation Temperature	-25°C to +85°C
Certifications	Reach Approved,RoHS Approved,CE Approved