



RFO-CC4631 High Performance Concrete UHF Tag

Product Description

General specifications

Industrial construction Tag

The RFO-CC4631 is an rfid in construction tag designed to be mounted on metal and also embedded in concrete.

Especially used in building constructions

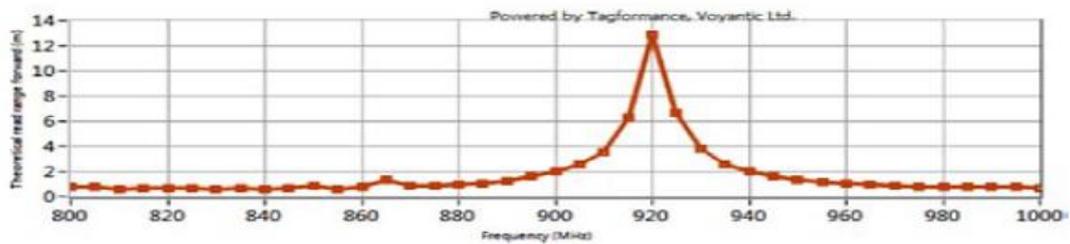
RFO-CC4631 rfid in construction embedded RFID tag can be used to uniquely identify building materials improving the management of construction processes.

High performance in operation

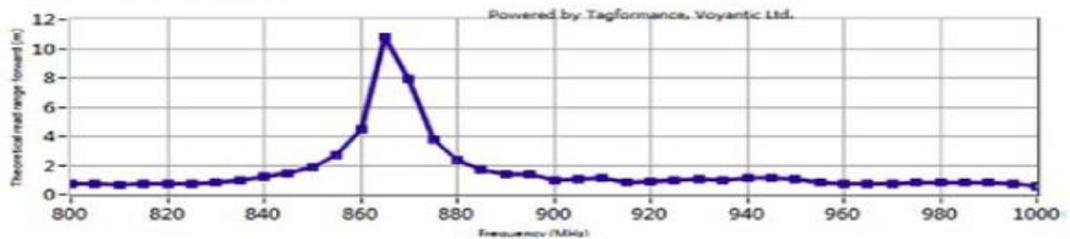
It provides read range up to 6.5 meters when used on the Metal surface and read range up to 2.2 meters when embedded in concrete at a depth of 5 cm.

Dimension

Metal Surface(902-928MHZ):



Metal Surface(865-868MHZ):



Article no:

RFO-CC4631

Typical Applications

- Vehicle Tracking
- Trace & Track
- Factory automation
- Electronic Toll Collection
- Supply Chain Management
- Automotive & Security
- Maintenance
- Production

Contact:

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Functional Specifications:	RFO-CC4631
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FID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3, (Available in Monza M4QT, Monza R6, UCODE 7XM+, etc)
Memory	EPC 96bits (Up to 480bits) , User 512bits, TID64bits
Write Cycles	100,000 times
Functionality	Read/write
Data Retention	50 years
Applicable Surface	on metal
Read Range: (Fix Reader)	6.5 meters (US) 902-928MHz, on metal; 6.6 meters (EU) 865-868MHz, on metal;
Read Range: (Handheld Reader)	4.4 meters (US) 902-928MHz, on metal; 4.6 meters (EU) 865-868MHz, on metal;
Embedded in concrete 5cm deep:(Handheld Reader)	2.2 meters (US) 902-928MHz, Embedded in concrete 5cm deep;
	2.1 meters (EU) 865-868MHz, Embedded in concrete 5cm deep;
Embedded in concrete 10cm deep:(Handheld Reader)	2.0 meters (US) 902-928MHz, Embedded in concrete 5cm deep;
	1.9 meters (EU) 865-868MHz, Embedded in concrete 5cm deep;
Warranty	1 year

Physical Specification:	
Size	46.5x31.5x7.5mm, Hole: dia3.6mmx2
Thickness	7.5mm
Material	PPS
Colour	Black
Mounting Methods	Embedded concrete
Weight	24g

Environmenal Specification:	
IP Rating	IP68
Storage Temperature	-40°C to +180°C
Operation Temperature	-25°C to +150°C
Certifications	Reach Approved,RoHS Approved,CE Approved