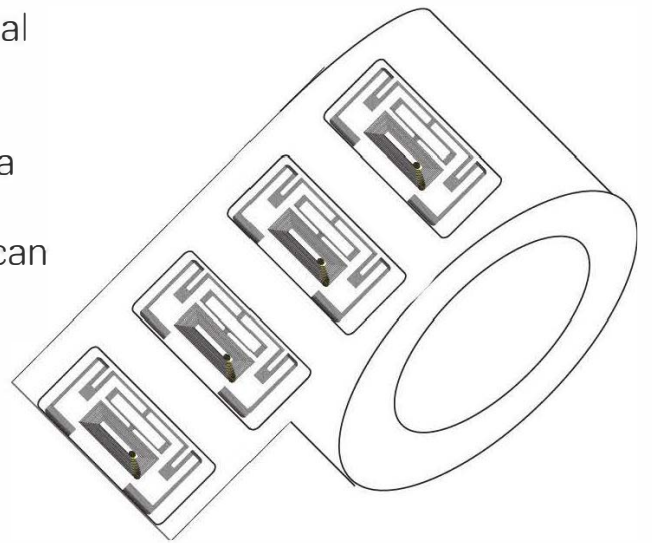


PID-Dual Frequency Tag

PID-dual frequency (RAIN and NFC) RFID label designed to accurately identify and track non-metal assets .

This label carries an EM4425 chip that has both RAIN (UHF) and NFC functionalities integrated in a single chip which is ideal for use cases when individuals do not have a RAIN (UHF) reader and can use their NFC enabled phone to read the tag.



Applications



Asset Tracking



Retail Applications



Warehouse Management

Ordering Information:

Part Number	IC Type	Memory Configuration	Face Material
RFST - 191001-ETSI/ FCC	EM4425	UID-64 bits(HF)/ EPC-Upto 480 bits	Polyster

For other versions, additional information, and technical support, contact Perfect ID..



Electrical Specifications

Operational Frequency	FCC: 902-928MHz ETSI: 865- 868 MHz 13.56 MHz
Interface Protocol	ISO 18000-63 and EPC Global Gen2v2 NFC Forum and ISO 15693 compliant
Chip Type*	EM 4425
Memory Configuration	UID64 bits(HF)/ EPC-Upto 480 bits(UHF)
Data Retention	50 Years
Write Cycle Endurance	100,000 cycles
Read Range**	Upto 5 meter

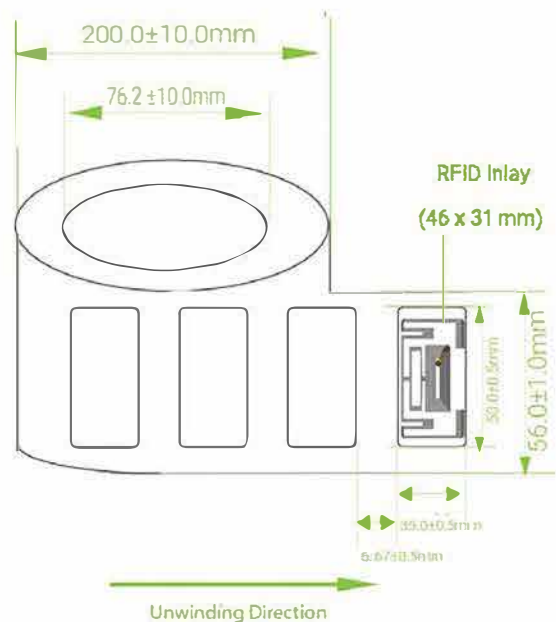
Product Characteristics

Die Cut Size	50.0 x 35.0 mm / 1.9 x 1.37 inch
Antenna Size	46.0 x 31.0 mm / 1.81 x 1.22 inch
Front material	Paper /Polyster
Packaging	Reel core inner dimension: 76.2mm/ 3", 2500pcs/roll
Attachment	Adhesive
Yield	100 %

Environmental Specifications

Operating Temperature	-40 to +85 °C
Storage Temperature	-40 to +85 °C
IP Rating	IP67

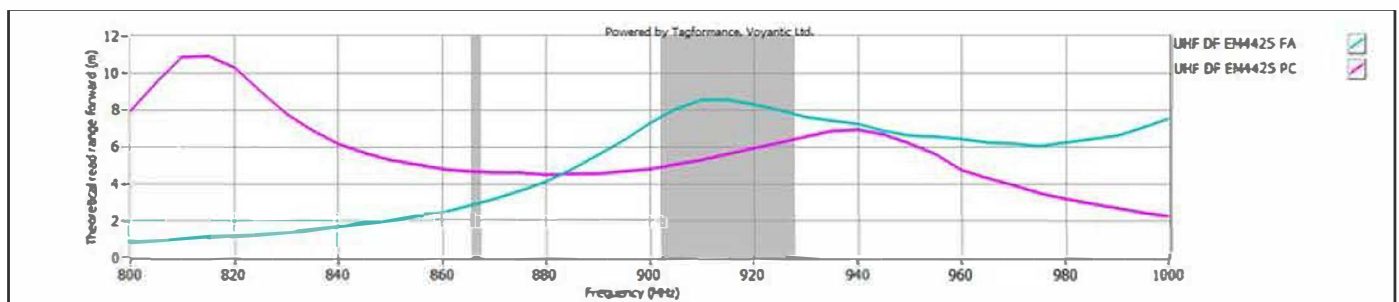
Product Drawing:



Personalization

- Customer specific encoding of EPC
- Customised printing of logo, text, barcode etc

Read Range Graph



PID DUAL FREQUENCY - RF performance(EM4425)

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.