

Overview

Frequency Band

860MHz-960MHz



Chip

Impinj M830

Antenna Dimensions

72*30 mm/2.83*1.18 inch

International Standard

ISO/IEC 18000-63 Type C

Applications

Asset Tracking
Supply Chain management
Logistics and Transportation
WIP Tracking

This antenna is designed for logistics and industrial applications. It can achieve excellent performance even on highly di-electric surfaces. It is widely used in warehouse management, logistics, asset tracking and WIP tracking, etc.

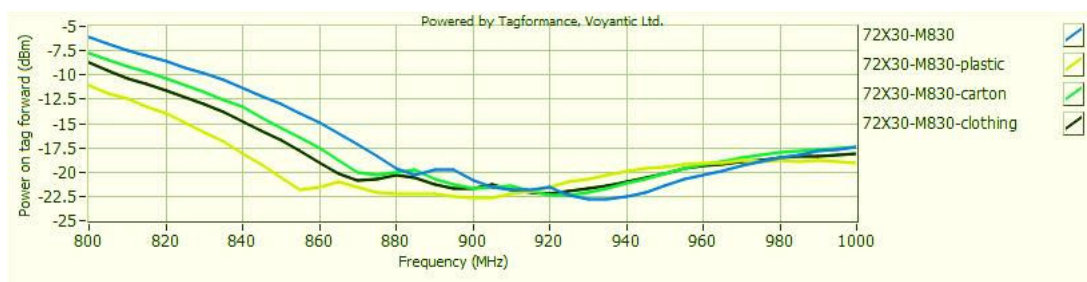
The M830 chip supports Gen2X and is fully compatible with GS1 UHF Gen2 and ISO/IEC 18000-63 standards. It enables rapid read/write operations and dense mode recognition. With its high-sensitivity design, the chip ensures stable long-range reading performance, making it perfect for high-frequency, large-volume application scenarios.

OSRFID has an in-house R&D team well equipped with state of art Lab equipment which can customize a suitable label for your real-world applications.

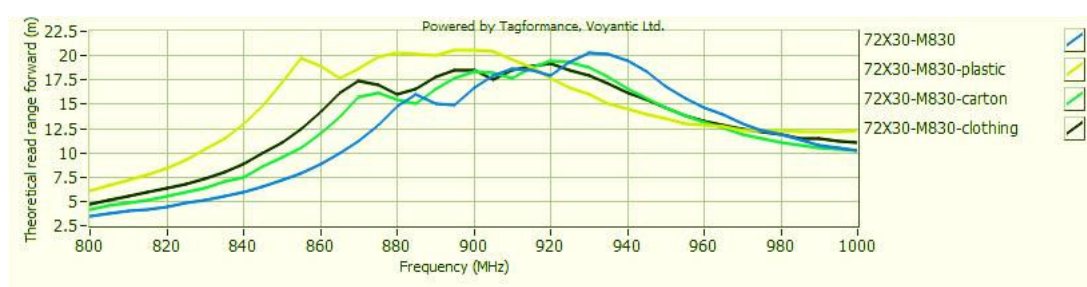
Technical Features

Model	OS31919	OS32328	TBD
Delivery Format	Dry Inlay	Wet Inlay	Label
EPC Memory	128Bits	128Bits	128Bits
User Memory	0Bits	0Bits	0Bits
Die-cut Dimension	-	75*33mm	75*33mm
Inlay Substrate	50um PET	50um PET	50um PET
Standard Pitch	38.1mm	38.1mm	38.1mm
Web Width	85mm	85mm	85mm
Core Size	76.2mm/3inch	76.2mm/3inch	76.2mm/3inch
Quantity / Reel	10000 ± 300Pcs/Reel	2500 ± 2Pcs/Reel	2500 ± 2Pcs/Reel
Operating Temperature	-20°C to +50°C (20% to 80%RH)		
Remarks	Wet inlay and Label are regular size. Other size can be customized.		

Sensitivity



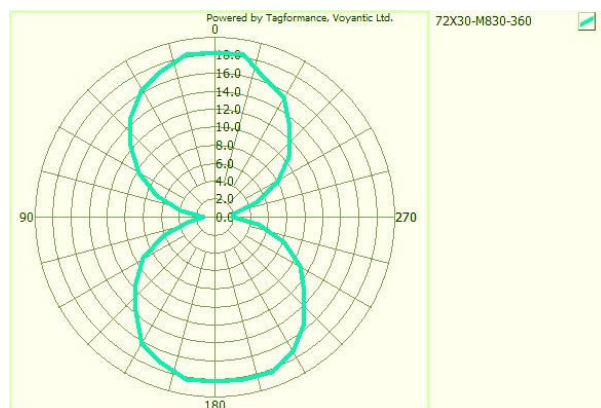
Read Range



Sensitivity&Read Rang Test power: 4W EIRP

For countries that allow 2W ERP, please reduce the result by 11%

Orientation sensitivity



All graphs are indicative: performance in real life applications may vary.