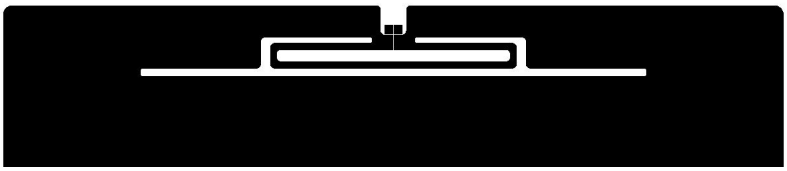
Overview



Frequency Band
860MHz-960MHz

Chip
ASYGN AS3213T

Antenna Dimensions
94x20mm/3.7x0.787inch

International Standard
ISO/IEC 18000-6 C

Applications
Condition monitoring
Supply chain management, Tracking and tracing
Cold chain monitoring

This temperature sensor label is specifically designed for applications such as Condition monitoring, Supply chain management, tracking and tracing, Cold chain monitoring . It is passive and does not require a battery to power the temperature sensor for real-time temperature data collection.

It is based on the AS3213T chip from Asygn, which has an integrated temperature sensor. When using the internal sensor mode, the tag has a sensitivity of -13dBm. It is compatible with all standard UHF RFID readers and operates within the frequency range of 860MHz - 960MHz.

This temperature sensor label contains a miniature sensor and an RFID chip. When the tag is within the effective range of an RFID reader, the RF signal emitted by the reader activates the tag, which immediately sends the current temperature data back to the reader. Users can view the temperature records in real-time through dedicated software and respond promptly to any temperature anomalies.

Technical Features

Model	31812	333094-A
Delivery Format	Dry Inlay	Label
EPC Memory	192Bits	192Bits
User Memory	96Bits	96Bits
Die-cut Dimension	-	96*22mm
Inlay Substrate	50um PET	50um PET
Standard Pitch	25.4mm	25.4mm
Web Width	105mm	100mm
Core Size	76.2mm/3inch	76.2mm/3inch
Quantity / Reel	10000±300Pcs/Reel	2000±2Pcs/Reel
Operating Temperature	-40℃ to +85℃ （20% to 80%RH）	
Remarks	Wet inlay and Label are regular size. Other size can be customized.	

Dongguan OSRFID Technology Co., Ltd.
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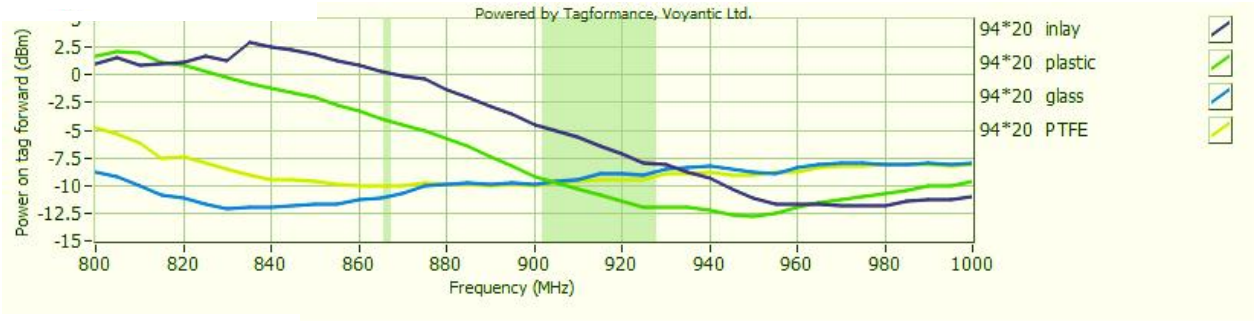
Sensitivity

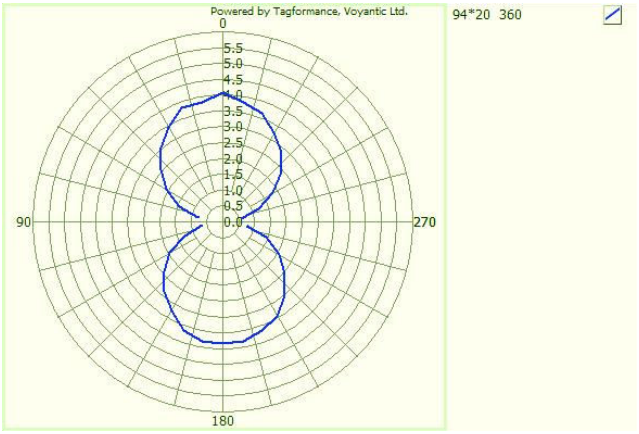


Read Range

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.

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