

客 户

CUSTOMER _____

承 认 书

SPECIFICATION FOR APPROVAL

客 户 编 号

CUSTOMER PART NO: _____

品 名 编 号

DESCRIPTION NO. TAG-915-TEMP-VBL-01

提 出 日 期

PRESENT DAY : 2019/2/12

出 图 DRAWING			客 户 承 认 CUSTOMER APPROVE
发 行 MADE	检 查 CHECKED	承 认 APPROVED	
Berry	Boby	Henry	
DATE: 2019/2/12			DATE:

深圳市铨顺宏科技有限公司

ShenZhen Fuwit Technology Co., Ltd.

表单编号: ST-R03-10

PRODUCT SPECIFICATION

TAG-915-TEMP-VBL-01 为 UHF RFID 无源、免电池、免维护、提供实时温度检测的传感器电子标签，该标签可广泛应用于供应链，冷链物流，温控集装箱货柜，医疗物流，特种运输配送等过程中，对食品、药品、疫苗、生鲜、特种材料等物品的身份标识+温度检测，满足全生命周期监测管理的应用。

独特的技术优势：免电池、免维护、精准身份识别和精度温度检测的技术优势，和简单易操作的部署体系，最终提升全流程质量跟踪监管和溯源监管的精准化信息管理。

TAG-915-TEMP-VBL-01 is a UHF RFID passive, battery-free, maintenance-free, sensor electronic tag that provides real-time temperature sensing.

The tag can be widely used in the Supply Chain、 Cold Chain Logistics、 Temperature Control Containers、 Medical Logistics、 Special Transportation and Distribution、 Identification Of Food、 Drugs、 Vaccines、 Fresh、 Special Materials and Other Items + Temperature Detection, for meet the application of Full Life Cycle Monitoring Management.

Unique technical advantages: Battery-free, Maintenance-free, Accurate identification and Precision temperature detection, and easy-to-use deployment, which ultimately enhances the precise information management system for quality tracking and traceability supervision.



➤ Feature

型号 (Model)	TAG-915-TEMP-VBL-01
频率范围(Frequency Range)	860-960MHz
读写灵敏度 (Read and write sensitivity)	≥3 M ((Thingmagic Module))
温度测量范围 (Temperature Measure)	-40℃~85℃
测量精度 (Temperature Accuracy)	±0.5℃(Typical)/±0.1℃(Specific Calibration)
芯片(Chip)	NMV2D CAB0
读写协议(Protocol Support)	EPC Gen2v2 and ISO/IEC 29167-10
个性化编码 (Personalized Coding)	支持多种数据结构的内外组合编码方式（可同步或离线式编码）；支持个性化密钥编码 Supporting multiple data structure of inside and outside combinatorial encoding (can be synchronous and offline encoding); Supporting personalized key code
功能(Functionality)	读/写 (Read/Write)

PRODUCT SPECIFICATION

Chip

芯片内存容量 Memory Capacity	TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate)
工作模式 Operating Mode	清点或读写 Inventory Read or Write

➤ Physical

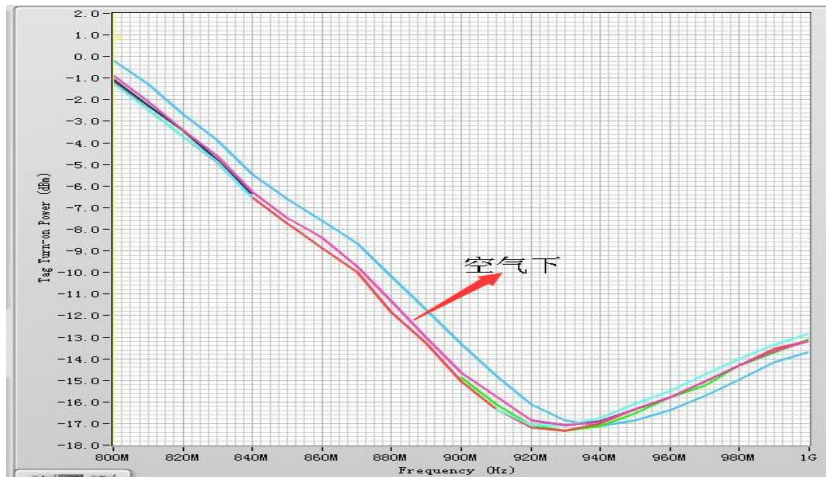
标签尺寸(Tag Dimension)	98X24mm (±0.5mm)
天线尺寸(Antenna Size)	93X19mm(±0.2mm)
成品跳距 (Product Skip Distance)	30.0±0.4mm
成品边距(Product Margin)	4.0±1.0mm
卷料宽度(Width of the Tape)	106±1.0mm
材料(Material)	聚酯薄膜 Polyester Film (PET) + 铝蚀刻 Aluminum Etching+防水 Waterproof Brittle Paper

➤ Environment

数据保留 (Data retention)	10年
读写次数 (Read and write the number)	100000次
工作温度 (Operating Temperature)	-40℃~85℃
储存温度 (Storage Temperature)	0℃~25℃
操作湿度 (Relative Humidity)	10% ~ 95%(As Less Reading As More Humidity)
适用场合(Application)	广泛应用于供应链，冷链物流，温控集装箱货柜，医疗物流，特种运输配送等过程中，对食品、药品、疫苗、生鲜、特种材料等物品的身份标识+温度检测

PRODUCT SPECIFICATION

➤ Reference of Graphic Performance



➤ Reference Pictures

