



Manufacturer of RFID tags

DATASHEET

UHF Aries Tag

Tag Code: U7511220

Aries tag is a UHF Gen2 long range, medium sized passive tag. It is ideal for rugged environment and gives excellent performance on metallic and non-metallic objects. It comes in three different variants as: On Metal Tag, Off Metal Tag(Free Air); All surface tag. Thus it is a Universal kind tag that can be used for all kind of surface depending on application surface.



Electrical Specification

Air Interface Protocol	ISO/IEC 18000-63
Operational Frequency	860 – 960 MHz
Chip**	Impinj Monza R-6P
Memory Configuration	EPC– Up to 128-bits
	TID – 96 bits of Serialized with 48-bit serial number
	User memory – Up to 64 bits
	Access password – 32 bits
	Kill password – 32 bits
Read Range*	Off metal : Up to 13 meter On metal : Up to 8 meter All surface : UP to 5 meter

Physical / Mechanical Specification

Dimensions	100x21x5.5 mm
Colour**	Grey
Weight	12 g
Encasement	PC / ABS High impact
Quality Assurance	100% reader tested

Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP67
Attachment***	Self Adhesive/ Rivet
Applicable surface	Metal/ All Surface/ Off metal

Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours
Resistant to continuous exposure to motor oil for 2 hours
Additionally, abrasion resistant against HCL and IPA

Additional Services

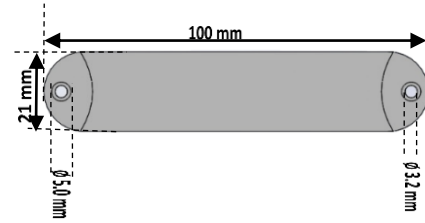
Pre-encoding	On request
Customization***	Logo / text printing on request

* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

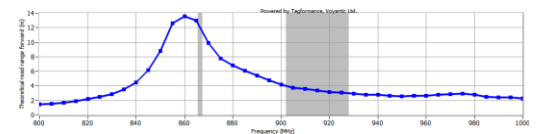
*** Available as an option at extra cost

Dimensions

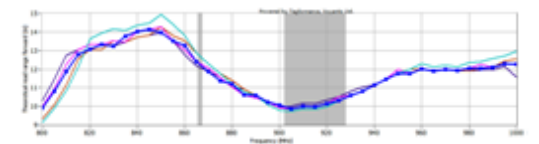


Linear Frequency Graph

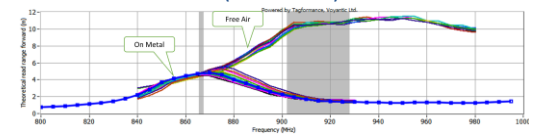
(Frequency v/s Read Range Orientation)



A (On Metal)



B (Off metal)



C (All Surface)

Order Information

Part No.	Description
U7511220M	With Impinj Monza R6-P (On metal)
U7511220A	With Impinj Monza R6-P (All Surface)
U7511220F	With Impinj Monza R6-P (Off metal)

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