



FERRO - II TAG

Ferro Tag is the UHF Gen2 long-range passive tag. It is ideal for high temperature environment and gives excellent performance on Metallic objects.

Specifications

Product Code: U421512

Electrical Characteristics

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operating Frequency Range	865-867 MHz
Read Distance	4-5 m / 13-17 ft **, reader power 4W EIRP (Dependent on application)

Mechanical Characteristics

Length	36 mm / 1.4 inch
Width	22 mm / 2 inch
Thickness	7 mm / 0.47 inch
Weight	11.5 gms
Encasing Material*	Special Thermoplastic
Quality Assurance	100% read tested
Color	Black

General Characteristics

Ingress Protection	IP67 <ul style="list-style-type: none">- Complete protection against dust- Protection against temporary immersion in water
Operating Temperature	-40°C to +85°C / -40°F to +185°F
Storage Temperature	-40°C to +200°C / -40°F to +392°F for 6 hrs
Attaching Mechanism	Riveting Screws, Adhesive***
Applicable Surface Materials	Metal
Expected Lifetime	Years in normal operating conditions

Chemical Resistance

No physical or performance changes in:	<ul style="list-style-type: none">- 2 hour Salt water exposure- 2 hour Motor oil exposure <p>Additionally, short time exposure resistant against HCL, MEK, IPA.</p>
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Additional Services/Options

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

Quoted performance achieved using in Omnia test lab conditions:
Ferro tag - II ; on metal 4.0-5.0 m

* Others on request

** Actual read range may vary depending upon the reader power and environmental factors

*** Available as option at extra cost

Contact Omnia Technologies for additional information.

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Omnia reserves the right to change/update any information provided above without prior notice.