

Product Data Sheet

PS OhMetal

Metallic and Metalized Surfaces RFID Label

The Porta Saber **OhMetal** label was developed to be used on challenging metallic surfaces, whether it is naked metal, painted metal or metallized paints. The label somehow takes advantage of the metallised surface in order to stabilise its performance. The labels can have the print design and the security features customised to the customers requirement.

Electrical Specifications

Type :	Passive UHF RFiD
Protocol :	EPC Class 1 Gen 2 ISO 1800-6C
Frequency :	ETSI
IC :	R6P
Memory :	
TID	96 bits
EPC	128 / 96 bits
USER	32 / 64 bits
PASSWORD	32 bits Access, 32 bits Kill
Read Range** :	Up to 5 meters

Mechanical Specifications

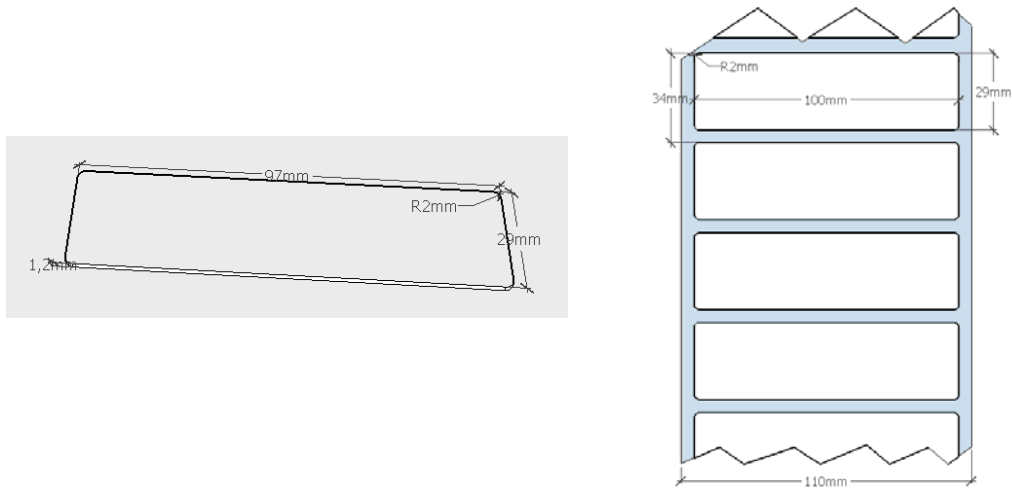
Structure :	
Liner	Siliconized Paper
Adhesive	High Tack On Metal Adhesive
Wet Face	Stabilising Element
Antenna	Aluminium
Dry Face	Paper or PP
Delivery Format :	On reel 500 / 1000 / 2500pcs
Bad Labels :	Marked not removed
Pitch :	33,86 mm
Inner Core :	76 mm
Dimensions :	97 x 29 x 1,2 mm
Application :	Multipurpose metallic surfaces

Ambient Conditions

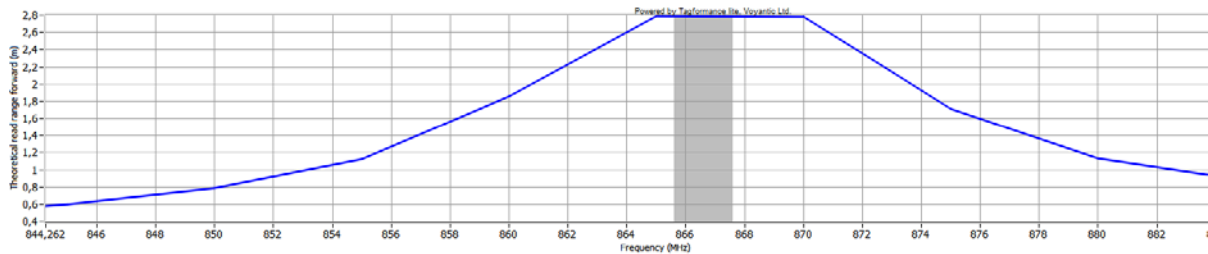
Operational Temp.	-35°C to 85°C
Exterior Temp.	-35°C to 85°C
Shelf Life	12 Months +20°C / 50% RH
Product Life	Years in normal conditions
Chemical Resistance	Resistant to normal cleaning fluids

Add On's***		
Other Chips	Pre Printing	Tamper Evidence
Pre- Encoding	Personalisation	Tamper Proof Cuts
Encoding	Security Printing	Hologram

Physical Dimensions



Label Performance



Disclaimer:

* - Read ranges are theoretical values measured in controlled laboratory environment.

Read range is affected by adjacent materials and weather conditions, local regulations for using RFID systems and their configurations.

** - Outdoor test measurement

*** - Minimum Order Quantities and costs will be discussed on a per request basis

The enclosed information is indicative and result of tests and supplier's information Porta Saber cannot guarantee the information at customer conditions We help our customers to select the right configuration in every condition to ensure optimal RFID system performance.

