Micro X-II Autoclavable

The Micro X-II Autoclavable version is specially designed to withstand the rigors of sterile processing, and OR workflows which involves repeated of autoclave and chemical cleaning cycles.

Versatile mounting techniques

Superior on-metal performance

Extreme durability and reliability

IP69K rated

Autoclave and Hospital Cleaning Products

Performance Characteristics

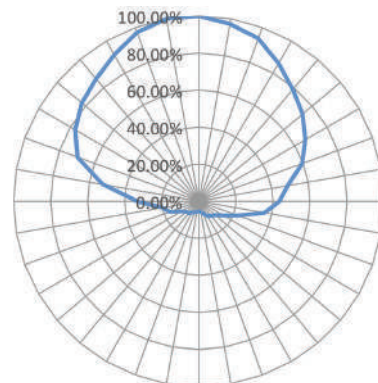|	
Read range (handheld)[1]	Up to 22 ft (7 m)
Read range (fixed)[1]	Up to 32 ft (10 m)
Polarization	Linear
Mounting system	Screws (Rivet hole, M3) Pop rivets (Max size 3.0mm) Adhesive (optional)

1. *Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.*

Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip)[1]	Alien Higgs-3
Memory	96-EPC bits, 64-bit unique TID, 512 -bit user memory
Material	High-performance engineered polymer

1. *The chip data retention is up to 50 years, based on chip operating under general environment conditions.*

Radiation Pattern

- OR Trays
- Healthcare Equipments Management
- Assets Tracking in Autoclavable Environment

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RoHS CE Ex REACH COMPLIANCE
2002/95/EC

Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +150°C
Peak temperature	+200°C
Chemical resistance	Various caustic chemicals[1]
IP rating	IP69K
Compression strength	181 psi (1250 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

1. The chemical resistance is based on the concentration of solutions and application environment.Please contact Xerafy for further details on chemical resistance.

Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEx	Compliant
Warranty	1 year

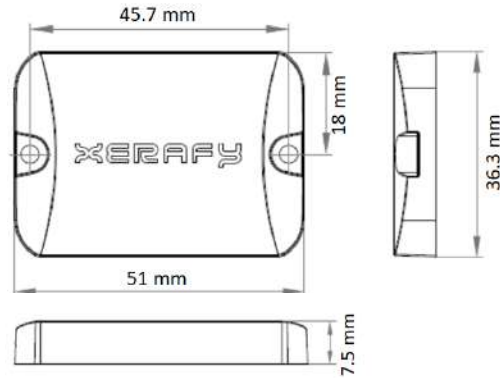## Order Information

X1130-US140-H3	Micro X-II Autoclavable US
X1130-EU140-H3	Micro X-II Autoclavable EU
Optional service	Encoding / Laser etching

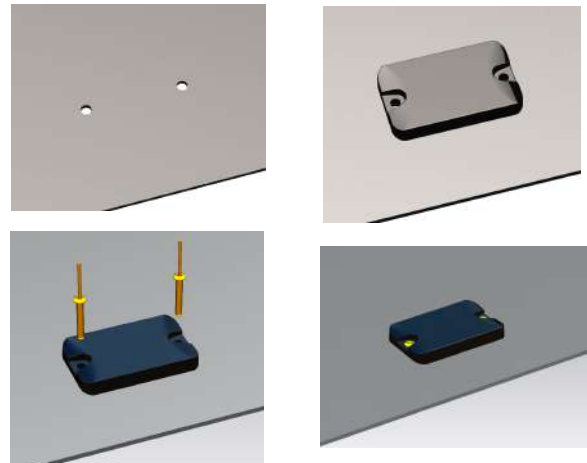## Product Dimensions and Weight

Dimensions (in)	2.01 x 1.43 x 0.30
Tolerance	+/- 0.02
Dimensions (mm)	51 x 36.3 x 7.5
Tolerance	+/- 0.5
Weight	0.92 oz (26 g)

45.7 mm
18 mm
36.3 mm
51 mm
7.5 mm

Installation Instructions

Instructions for optimal performances:
1. Drill two holes on the subject metal surface. (ø 4.0 mm, pitch: 45.7 mm)
2. Insert two φ3.0 mm (recommended size) rivets on the
3. tag. Fix the tag on the metal surface with a rivet gun.
   * Can also be attached via adhesive / epoxy.

About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

For Product inquiries: sales@xerafy.com
Singapore | China | US | UK

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