

Xerafy Autoclavable Roswell EPC UHF RFID Metal Tag

Roswell, the first tag of its kind, uses only its stainless steel interior as an antenna. The patent-pending tag is constructed of two cylindrical metal cases with a thin high temperature substrate between them. While existing products in the market may use a tag packaged inside a metal case, Roswell is completely different. Because there is no RFID tag packaged inside Roswell, the antenna-free design ensures reliability and durability by eliminating the risk of tag failure from high temperature and high pressure autoclave and corrosive liquids. Roswell is designed for quick and convenient attachment and can be easily attached via a stainless steel bracket to a medical equipment.

Features:

- Withstands repeated autoclave cycles
- Resistant to chemical cleaning process
- 180 degree read orientation



Autoclavable Roswell with bracket

Applications:

- Sterilizable Surgical Trays
- Medical devices

Autoclavable Roswell P/N: X1114-US141-H3 / X1114-EU141-H3

Autoclavable Roswell is extremely reliable and durable for harsh applications and meets autoclave requirements for use in the healthcare industry.

Specifications:

EPC Class 1 Gen 2 (ISO 18000-6C)	512-bit user memory
Passive UHF RFID transponder	64-bit TID; 96-EPC bits, extendible to 480 bits
Frequency:	902-928 MHz (US), 866-868 MHz (EU)
Dimensions / tolerance (mm):	48 x 28 x 13.5 (+/- 0.5)
Dimensions / tolerance (in):	1.89 x 1.10 x 0.53 (+/- 0.02)
Weight / tolerance:	1.55 oz / 44 g (+/- 10%)
Read range on metal (2W ERP): Operating temperature:	Up to 16.4 ft [5 m] -40°F to + 185°F (-40°C to + 85°C)
Application temperature:	-40°F to + 482°F (-40°C to + 250°C)
Material:	Stainless steel
Attachment:	cable tie, rivet hole \varnothing 0.19 in (\varnothing 5 mm)
IP classification:	IP69K
Industry compliance:	RoHS, CE
Healthcare sterilization compliance:	ISO 17665 - Moist Steam ISO 11135 - Ethylene Oxide

