

# verify. quantify. 🔀 🖉 🖉

## Dot iN XS

HIGH TEMPERATURE
EPC Class 1 Gen 2; IS018000-6C
UHF 902-928 MHz (US); 866-868 MHz (EU)
Alien Higgs-3
96-bit EPC; 512-bit user memory; 64-bit TID
Read / write (user programmed)
100,000 cycles at 77°F (25°C)
Up to 50 years <sup>1</sup>
1 year

## **Environmental and Industry Compliance**

RoHS&REACH	EU Directive 2011/65/EU, EC1907/2006
CE	Yes
ATEX	ATEX Compliant

### **Product Dimensions and Weight**

	2.5 mm
Dimensions (mm)	ø 6 x 2.5
tolerance	+/- 0.2
Dimensions (in)	ø 0.24 x 0.1
tolerance	+/- 0.008
Weight	0.016 oz (0.44 g)



<sup>1</sup> The chip data retention is based on chip operating under general environment conditions.



Dot-iN XS

**STANDARD** 

## **HIGH TEMPERATURE**



#### Performance Characteristics Read range in metal (2W ERP)<sup>2</sup> Up to 3 ft (1 m) Polarization Linear **Physical Specifications** Material Ceramic Mounting system Epoxy, embedded Paint color White Logo color Green **Operational and Environmental Specifications** 3 ft (1 m) to concrete/granite up to 200 cycles Shock (drop) MIL-STD-810G Vibration Compression strength Packaging dependent IP 68 IP classification Humidity **Operational humidity** 5%-95% non-condensing Storage humidity 5%-95% non-condensing Operational temperature -40°F(-40°C) Cold Dry heat +185°F (+85°C) Thermal shock -22°F to 185°F (-30°C to +85°C); cycled STANDARD VERSION Application temperature -40°F (-40°C) Cold Dry heat (Long term, hours/days) +302°F(+150°C) +428°F (+220°C) Dry heat (Short term, minutes) **HIGH TEMPERATURE VERSION** Application temperature\* -40°F (-40°C) Cold Dry heat (Long term, hours/days) +428°F (+220°C) +482°F (+250°C) 6 hours Dry heat (Short term, hours)

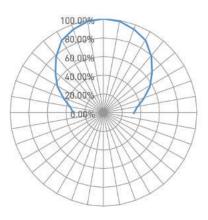
Peak temperature

\*The tag performance in high temperature application depends on tag mounting method and environmental conditions.

+716°F (+380°C) less than 10 seconds



## **Radiation Pattern**



In metal

### **Order information**

X4202-US000-H3	Dot iN US Standard Version
X4202-EU000-H3	Dot iN EU Standard Version
X4202-US050-H3	Dot iN US High Temperature Version
X4202-EU050-H3	Dot iN EU High Temperature Version

## Dot XS

## AUTOCLAVABLE

For more information on Dot XS autoclavable version, please download <u>here</u> or contact us at sales@xerafy.com