



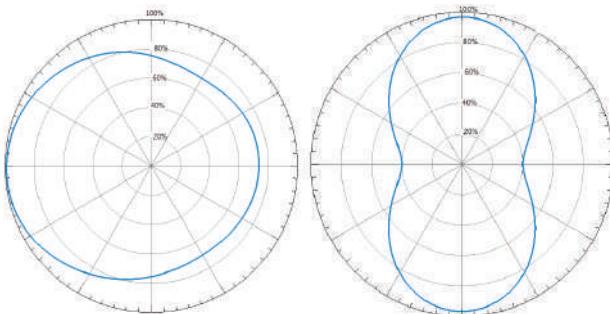
# XSKIN GAMMA

## 73x20

### Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2, ISO/IEC 18000-6C
- **Frequency** 860-960 MHz (Global)
- **IC type (chip)**<sup>1</sup> Kiloway
- **Chip memory** 128 bits EPC (configurable from 96 to 240 bits), 96 bits TID, 1312 bits User Memory
- **Memory type** XLPM (permanent)
- **Read range fixed**<sup>2</sup>  
Up to 52.49 ft (16 m), US  
Up to 19.68 ft (6 m), EU
- **Read range handheld**<sup>2</sup>  
Up to 31.50 ft (9.60 m), US  
Up to 8.20 ft (2.50 m), EU
- **Polarization** Linear
- **Radiation pattern off metal**

Off metal-Horizontal / Vertical



### Key Features

- **Gamma-resistant:** withstands up to 50 kGy for sterilization and reuse
- **High memory:** 128-bit EPC and 1,312-bit User Memory for traceability
- **Global:** compatible with international RAIN RFID standards for seamless cross-border deployment
- **Long range:** up to 16 meters off metal for efficient tracking
- **Convertor-ready:** printable facestock with options for wet label, wet inlay, or dry inlay

### Applications

- **Medical devices and equipment**
- **Consumables, PPE, and hospital supplies**
- **Pharmaceuticals and cold-chain packaging**
- **Food processing**
- **Mining and assaying operations**
- **Industrial components and material inspections**

### Environmental Specifications

#### Temperatures



- Operational 10°C to +40°C  
50°F to +104°F
- Survival -40°C to +85°C  
-40°F to +185°F

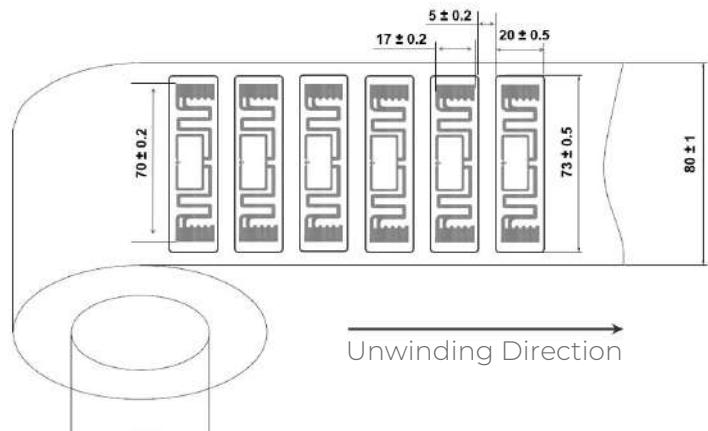
- **Resistance compliance** Gamma (50kGy)
- **Vibration** MIL-STD-810G
- **Printer compatibility** Zebra ZD500R, ZT600; SATO CL4NX Plus; TSC Printronix T6000e
- **Warranty** 1 year

<sup>1</sup> The chip data retention is up to 50 years, based on chip operating under general environment conditions.

<sup>2</sup> Off metal

## Physical Specifications

- **Label Material** Printable white paper
- **Reel core material** Cardboard
- **Reel core inner dimension** 76.2mm/3(in)
- **Dimensions (in)<sup>1</sup>** 2.87 x 0.79 x 0.01
- **Dimensions (mm)<sup>1</sup>** 73 x 20 x 0.16
- **Delivery format** On roll
- **Quantity per roll** 4,000±40
- **Weight (roll)** 5.51 lbs (2.50 kg)
- **Sensing type:** Gap



## Mounting Systems

- Industrial adhesive

## Installation Instructions

1. Clean the surface using isopropyl alcohol, an alcohol pad, or equivalent solvent to remove dust, oil, and debris that may affect adhesion.
2. Handle by the edges and peel off the release liner without touching the adhesive.
3. Position and apply the label at the desired location, pressing firmly and evenly for 5 seconds.
4. Allow to set undisturbed for at least 15 minutes to ensure proper adhesive bonding.

<sup>1</sup> Tolerance: +/- 0.02; +/- 0.50

## Industry Compliance



## Order Information

XSKIN Gamma 73x20: X7320-GL011-KX2005X

## Customization Options

Encoding

Adhesive

Wet Inlay

Printing

Custom Label Size

Dry Inlay

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