

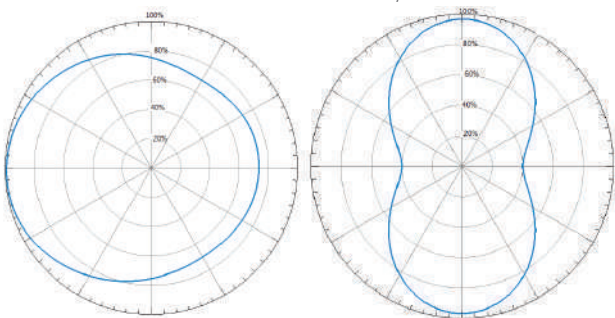


XSKIN GAMMA 73x20

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2, ISO/IEC 18000-6C
- **Frequency** 860-960 MHz (Global)
- **IC type(chip)**¹ Kiloway
- **Chip memory** 128 bits EPC (configurable from 96 to 240 bits), 96 bits TID, 1312 bits User Memory
- **Memory type** XLPM (permanent)
- **Write cycles** one time
- **Read range** fixed²
Up to 52.49 ft (16 m), US
Up to 19.68 ft (6 m), EU
- **Read range** handheld²
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 -40°C to +85°C
-40°F to +185°F
- Survival -40°C to +85°C
-40°F to +185°F

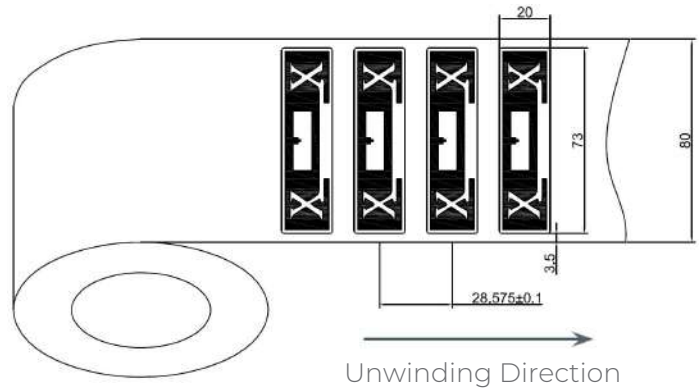
- **IP rating** IP68
- **Resistance compliance** Gamma (50kGy)
- **Vibration** MIL-STD-810G
- **Printer compatibility** TSC Printronix T6000e; SATO CL4NX Plus, CL4-SXR
- **Warranty** 1 year

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

² Off metal

Physical Specifications

- **Label Material** Printable white paper
- **Reelcore material** Cardboard
- **Reelcore inner dimension** 76.2mm/3(in)
- **Dimensions (in)**¹ 2.87 x 0.79 x 0.01
- **Dimensions (mm)**¹ 73 x 20 x 0.16
- **Packaging (roll)**
Label: 2,000, dry inlay: 5,000
- **Weight (roll)** Label: 2.30 lbs (1.05 kg), dry inlay: 2.47 lbs (1.12 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.
3. Allow to set undisturbed for at least 15 minutes to ensure proper adhesive bonding.

¹ Tolerance: +/- 0.02; +/- 0.50

Industry Compliance



Order Information

XSKIN Gamma 73x20 (Label) Global: X7320-GL011-KX2005X-BR

XSKIN Gamma (Dry Inlay) Global: X7017-GL000-KX2005X

Customization Options

Encoding

Adhesive

Dry Inlay/Wet Inlay

Printing

Custom Label Size

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