

UHF 9640 Squiggle Inlay

FASTPRO RFID SOLUTIONS PVT. LTD offers a wide range of specially designed RFID Tags with enhanced read range compared to standard passive UHF tags for similar usage. These tags provide absolute reliability and accuracy, with superior read rates . They are specifically designed with long lasting capability in harsh environment.

The UHF 9640 Squiggle® is a high performance general-purpose RFID inlay for use in a wide variety of applications.



Reference Picture of UHF 9640

Product Overview

FASTPRO RFID SOLUTIONS PVT. LTD. Offers break-through **Higgs™3 UHF RFID IC** and innovative **Squiggle** antenna design, the UHF 9640 delivers industry leading EPC Gen 2 performance and reliability at competitive prices. UHF 9640 inlays are World Tag compliant, enabling consistent operation across the diverse frequencies of the Americas, Europe, Middle East, Asia, and Africa. With its Higgs-3 core, the Squiggle delivers unprecedented performance and a rich feature set including a 32-bit TID, **a 64-bit Unique TID for authentication and serialization applications**, an **extensible EPC memory bank, 512-bits of user memory** for distributed data applications, and **password protected read and write** support capabilities to prevent unauthorized viewing and modification of the tag's data. Typical applications for the Squiggle include, but are not limited to, corrugate cases, pallet placards, apparel hang tags, baggage tags, shipping labels, asset management, and file folder labels.

Applications

- Corrugate cases
- Baggage tags
- Shipping labels
- Pallet cards
- Asset management
- Solar Panel Tags
- Apparel hang tags
- File folder labels

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Features	Description	Benefits
One of the most widely-used general purpose tags	Well-proven design for a broad range of worldwide applications	Robust, proven, and reliable
One of the best performing general-purpose tags on the market	Optimized for high performance in all world regions	Trusted performance
Designed to work well in challenging dielectric environments	A very robust general-purpose tag	Reliable in challenging environments

Features :

- ➔ Designed to meet EPCglobal Gen2 (V1.2.0) and ISO/IEC 18000-6C.
- ➔ Worldwide RFID UHF operation (860-960MHz)
- ➔ Higgs™-3 IC with 800-bits of Nonvolatile Memory
 - 32-bit TID
 - 64-bit Unique TID
 - 96-bit EPC Memory, extensible to 480-bits
 - 512-bit User Memory
 - 32-bit Access password
 - 32-bit Kill password
- ➔ Pre-programmed with a unique, unalterable 64-bit serial number (ideal for authentication)
- ➔ User Memory can be Block Perma-Locked
- ➔ User Memory can be Read Password protected in 64-bit blocks, prohibiting unintended Reads without an access password
- ➔ Supports all Mandatory and Optional Gen 2 commands including item level commands
- ➔ Custom commands for high speed programming
- ➔ Available in high-yield, high-capacity dry/wet inlay rolls for high volume converting processes

GENERAL SPECIFICATIONS

Frequency	FCC: 902-928 Mhz ETSI: 865-868 Mhz ASIA: 950-956 Mhz
Protocol	EPC Class 1 Gen 2: ISO 18000-6C
Antenna Size	94.8 mm x 8.15 mm
Label Size	101.2 mm x 13.5 mm (Also Customizable)
Available Formats	Wet inlays / Paper Label / Polyester Label

RFID CHIP/TAG SILICON

Protocol	EPC Class 1 Gen 2
Operating Frequency	860 - 960 MHz
EPC Memory	Up to 480 bits
User Memory	512 bits
Operating Temperature	-50°C / +85°C (-58°F / +185°F)

PRODUCT CHARACTERISTICS

Antenna Material	Aluminium / Silver Ink
Front Face Material	White TT Printable Label White TT Printable Plastic
Adhesive	Solvent-Free Permanent Acrylic Adhesive
Final Inspection	100% tested; defective tags marked

DELIVERY CONDITIONS

Packaging	Roll
Core Inner Diameter	76 mm
Roll outer Diameter	200 mm
Unwinding Direction	Labels on outside of roll
Standard roll size	5000 pcs
Minimum order quantity	One roll

Registered Office:

162, Centre Point, 1st Floor,
Somnath, Kalaria, Dabhel, Nani Daman,
Daman - 396210, Daman & Diu.

+91 70690 34346 / +91 260 2240 250

Corporate Office:

11A, Space House, 1st Floor,61,
Srimali Society, Navrangpura,
Ahemdabad-380009, Gujarat.

+91 70690 34348 /+91 89800 17818

Factory:

43, Royal Industrial Hub, 2nd Floor,
Near Daman Ganga River, N.H.No.8,
G.I.D.C, Valvada, Vapi-396105, Gujarat.

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