

Drill tracking label

Excellent tag for device tracking applications.



Description:

Drill tracking label and inlays with ISO/IEC 18000-6C compliant ICs can be tuned to allow the extreme conditions and found out the tag, it also water-proof and shock resistance. The identification rate can be up to 200 tags in one second in a single reader's field of view.

Drill tags with Higgs 4 chip offer two key benefits. Firstly, they have excellent performance in tracking system and item identification where the drill is, which is a challenging environment for other passive protocols. Secondly, it can be worked in any severe conditions could measure the distance from the handset or readers.

Product benefits:

- ▶ Best performance for tracking system
- ▶ Reliable identification and high anti-collision rates.
- ▶ EAS capability.
- ▶ 512-Bits of memory.
- ▶ 128 EPC Bits
- ▶ 64 Bit Unique TID.
- ▶ 32 Bit Access and 32 bit kill passwords.
- ▶ Exceptional operating range, up to 11m
- ▶ EPCglobal Gen2 and ISO/IEC 18000-6c

Drill tag stackup:

DRY INLAY THICKNESS, $\pm 10\%$	
OVER ANTENNA	0.05 mm
OVER CHIP	0.25 mm

INLAY



WHITE WET INLAY THICKNESS, $\pm 10\%$	
OVER ANTENNA	0.16 mm
OVER CHIP	0.36 mm

OVERLAY



ADHESIVE



INLAY



ADHESIVE



RELEASE LINER



Overview

Operating Frequency

840~960MHz

Integrated Circuit (IC)

Alien Higgs 4

Antenna Size

42 x 17.8 mm (1.65 x 0.70 in)

Die-cut Size

40 x 15.8 mm (1.57 x 0.62 in)

International Standards

ISO / IEC 18000-6C

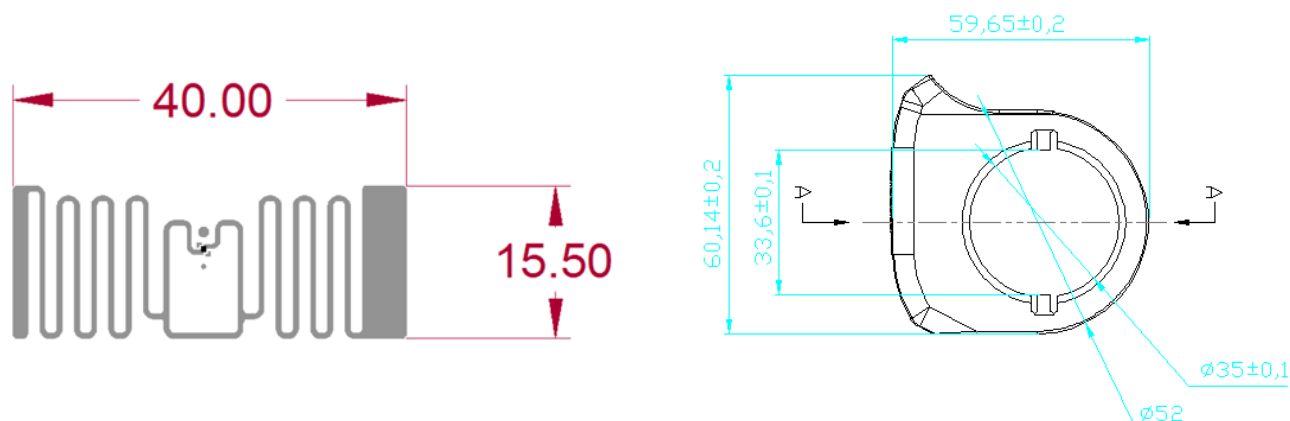
Quality Assurance

100% performance tested

Application Areas

- ▶ Objectives tracking
- ▶ Identification under the earth
- ▶ Logistics management
- ▶ Use with the handheld reader

Drill inaly/tag specification:



Technical Features

IC	Alien Higgs 4
Memory	512-Bits of Memory
Frequency	840~960MHz
Antenna Size	42 x 17.8 mm/1.65 x 0.70 "
Die-cut Size	40 x 15.8 mm/1.57 x 0.62 "
Web Width	54 mm / 2.13"
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Drill tag
Adhesive	Acrylic, water borne adhesive
Adhesive Usage Temperature	min. -20°C to 80°C / min. -4°F to 176°F
Qty/Carton	400/cartonl
Core Size	N/A
Shelf Life: minimum of 2 years from	20°C / 68°F, 50% RH

We have special QA team confirm the quality and property, whom is an amalgamated team of multidisciplinary subjectmatter experts who play a quality assurance and content review role

For further information, please contact our sales representatives:

Sales Mainland
Building 25, LongBi
Industry Park, BanTian
Town, LongGang District,
ShenZhen, CHINA
Tel. +86 (755)-84192588
Fax +86 (755)-84193919
Mail: sales@fang-ka.com.cn

Sales Europe
Tour d's Asnieres
4,Avenue Laurent Cely92600
Asnieres sur Seine
FRANCE
Tel. +33 1 40 86 80 03
Fax +33 9 83 40 80 03



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