

UHF Tag – AZ-U42

UHF Tag AZ-H65 is one of many Universal Smart Card designs offering a small RFID UHF antenna design in a range of packaging options.

They are suitable for brand protection, supply chain management particularly in retail and garment tagging as well as pharmaceutical and healthcare.

The AZ-65 tag has an antenna size of 14 x 70mm with an Impinj Monza R6 Integrated Circuit (IC). This is according to the EPC Gen2 Standard / ISO18000-6C at a frequency between 860-960 MHz.

The AZ-65 is available in three formats or packaging depending on the needs of the customer:

- Dry Inlay
- Wet-Inlay
- Paper Label

Markets & Applications:

- Logistics Asset Tracking
- Metallic assets
- Pallet tracking
- Cases, baggage

Colours Available:

- Black

Product Specification:

Tag Size/Dimensions: 135x22x12mm

Antenna Size: 94.8x8.15mm

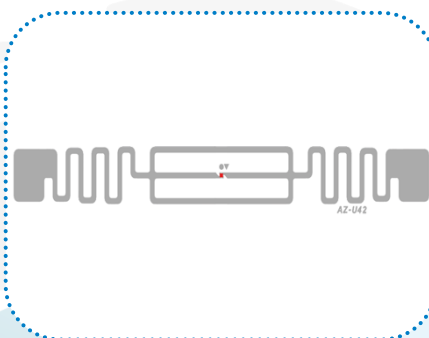
Weight: 7g

Material: ABS

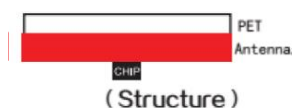
Application Temp: -15°C to 70°C

Customisation/ Personalisation Options:

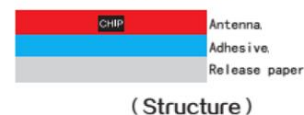
- Ink-jetted printed serial number
- Logo
- Encoding



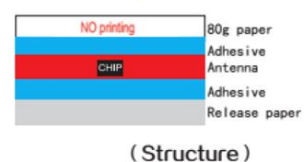
Dry Inlay



Wet Inlay



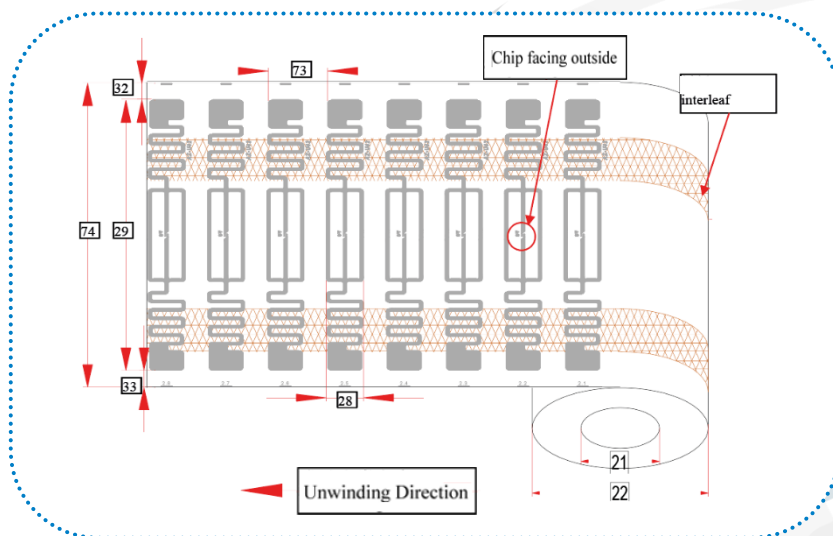
Paper Label



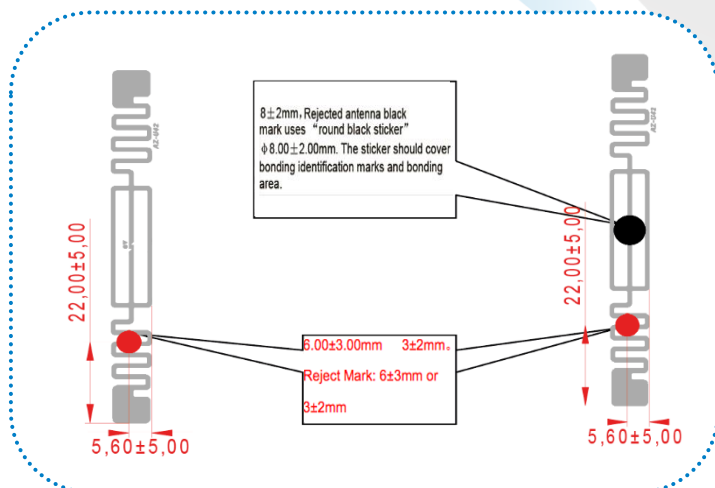
IC Type	Memory	Frequency	IC Life	Reading Distance
Alien Higgs H3	EPC: 96 bits TID: 64 bits USRES: 512 bits	860-960 MHz	100,000 programming cycle, 10 years data retention	3-8 metres

UHF Tag – AZ-U42

Mechanical Characteristics:



No.	Item	Parameter (mm)
17	Mark Length	4.00±0.20
18	Mark Width	4.00±1.00
24	Mark to Antenna (Top)	4.35±0.20
21	Core ID	6.04inch(153.42±0.50)
22	Roll OD	≤295.00
28	Antenna Length	15.00±0.20
29	Antenna Width	40.00±0.20
32	Antenna to PET (Top)	8.50±1.00
33	Antenna to PET (Bottom)	8.50±1.00
73	Antenna Pitch	21.59±0.50
74	PET Width	57.00±1.00



Handling Precautions:

Inlays with ink marks are bad ones, do not use.
The position of the mark is as shown, to the left.

Keep away from water and collisions, do not bend.

UHF Tag – AZ-U42

Packaging:



Material: Plastic, waterproof, neutral packaging.

Qty/bag: 15 pieces.

Qty/carton: 1,080 pieces.

Dimensions: 23x21x51cm.

Temperature/Humidity:

- Operating Temperature/Humidity: [-15°C to +70°C] 20% to 90% RH Non-condensing.
- Storage Temperature/Humidity: [-25°C to +50°C] 20% to 90% RH Non-condensing.

Shelf Life:

From the date of manufacture, 2 year in vacuumed bag at +23°C±5°C / 50%±10%RH).