

AZ-AM673

Arizon RFID Technology, 100% owned by YFY Group, is a leading company to provide first-class manufacturing services of inlays / tags / tickets and cards for worldwide RFID industry. By 2012 Arizon has produced and delivered more than 1 billion inlays / tags and the number is 10 billion pcs by Apr. of 2019, all products conform to highest quality standards in HF and UHF technology for its valuable customers. Arizon has established inlay/label monthly capacity up to 300 million pieces by 2018, and will continue its strong investments to further boost its monthly production capacity for satisfying the market's fast growing needs.

Overview

Operating Frequency

860MHz-960MHz

Integrated Circuit(IC)

Impinj Monza R6

Antenna Size(Before & after folding)

74x18x0.74mm(Before) 37x18x1.48mm(After)

2.91x0.71x0.03inch 1.46x0.71x0.06inch

Protocol

EPC Class1 Gen2

ISO/IEC 18000-6C

Application Areas

Brand Protection

Industry

Supply Chain Management

Metal Surface

Electrical Characteristics

Antenna

AZ-AM673

Base Material

PET

IC

Impinj Monza

R6

R6-A

R6-P

S6-C

Memory

EPC:	96Bits	96Bits	128(96)Bits	96Bits
User:	0Bits	0Bits	32(64)Bits	32Bits
TID:	48Bits	48Bits	48Bits	48Bits
Unique TID:	48Bits	48Bits	48Bits	48Bits
Access Password:	0Bits	32Bits	32Bits	32Bits
Kill Password:	0Bits	32Bits	32Bits	32Bits

IC Life

100,000 Programming cycles

50 years data retention

Operating Mode

Passive

Frequency

860 ~ 960MHz

Standards

ISO 9001:2008

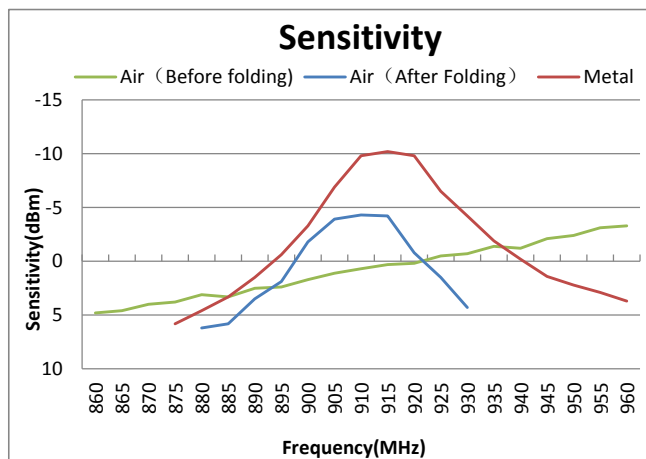
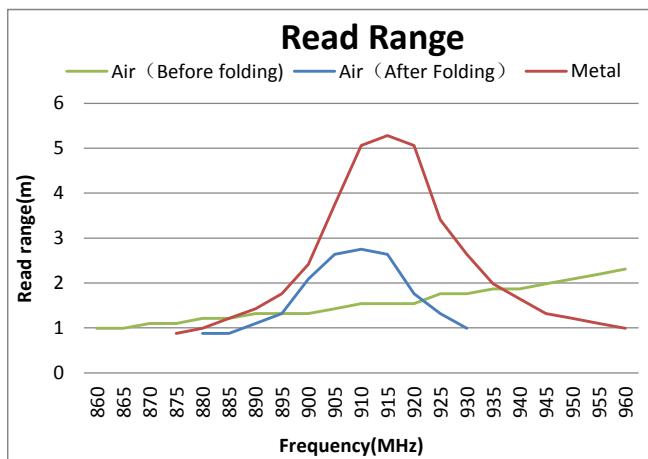
ISO 14001:2004

OHSAS 18001:2007





Frequency Sweep

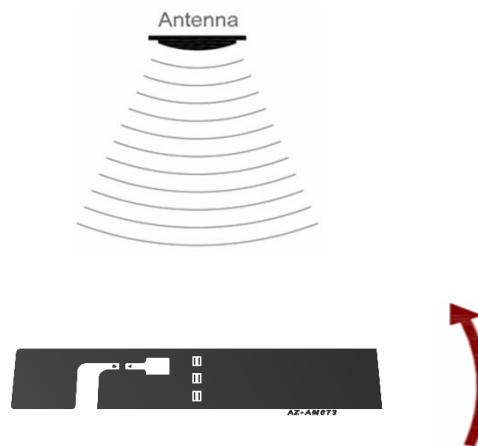
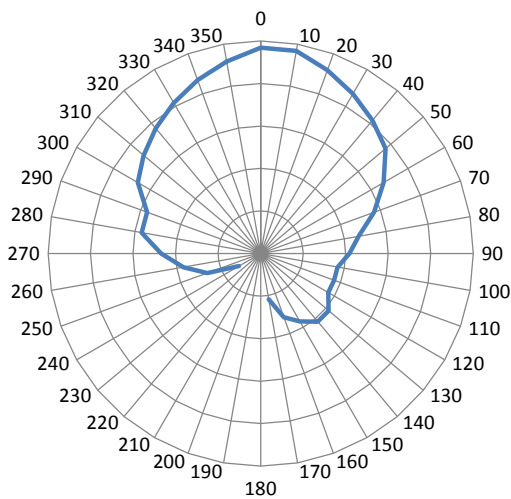


Test power : 4W EIRP

For countries that allow 2 W ERP, please reduce the result by 11%

Radiation Patterns

Angular Sensitivity (dBm) ; Power step 0.1dB ; Angle step 10°



Inlay is rotated in the x,y axis, fixed in z axis
(Tag shown at 0° with respect to face of antenna)

Handheld Reader

On metal: 1.4m

Off metal: 0.7m

Arizon RFID Testing Center:

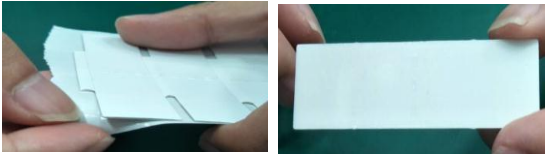
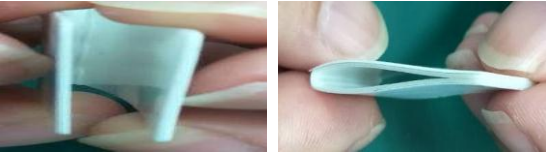
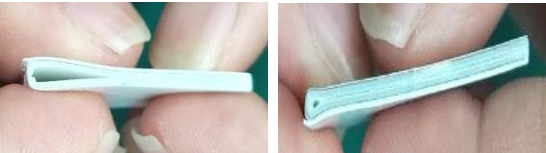
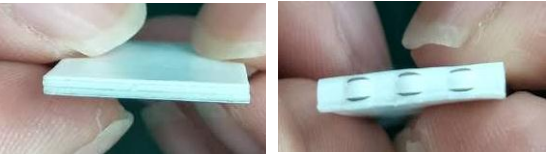
RFID UHF Band: 800-1000MHz; Shielding effectiveness: > 100 dB; Background noise: < -75 dB

Compatible to the following international standard:

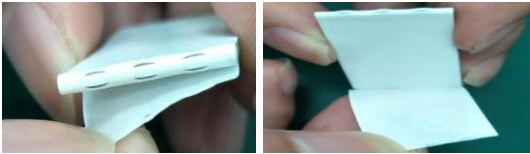

EPC Global Class1 Gen2; ISO 18000-6C; GS1 TIPP (Tagged Item Performance Protocol)



Folding Method

Step	Description	Picture
1	Peel off tag from liner.	
2	Fold the tag with short size.	
3	Squeeze from outer to middle connection position until it fits completely	
4	After folding, the upper and lower two layers of tag should be flat and fit, also the flower cutter of the middle joint is in the center	

Usage Method

Step	Description	Picture
1	Peel Off tag from liner	
2	Stick the tag on the metal surface.	
3	Recommendation for better usage: a. stick tag at the edge of metal surface; b. the curved diameter of surface should > 100mm c. The direction of the long side and surface are consistent.	