

PRODUCT DATASHEET

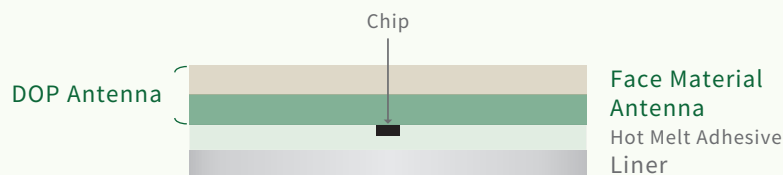
AKA510

Anti-counterfeiting traceability/ Document management/ NFC application

GREEN RFID inlay/ label made with plastic-free DOP RFID antenna

DOP RFID antenna is the first and only RFID antenna worldwide which has **ISO EN13432** biodegradable certificate. The DOP RFID paper antenna is also the only RFID antenna product in the global RFID supply chain which is eligible to use **DIN CERTCO Seedling Mark** and **DIN-Geprüft German industrial compostable mark**.

DOP Label Structure



Overview

Operating Frequency

13.56 MHz

Air Interface Protocol

ISO/IEC 14443 Type A

RoHS

EU Directive 2011/65/EU and Directive (EU) 2015/863 Compliant
Number: TWNC00925854

REACH

Regulation (EC) No. 1907/2006
Number: TWNC00862245
Report No.:11155C00230-1-1-02
Damp Heat Test(1000hr)

Certificates

ISO 9001:2015
Certificate No.9839/1

ISO 14001:2015
Certificate No1123A/0
DIN EN 13432:2000-12

Certification Scheme Products made of compostable materials (DIN-Gepriift) (2021-07)Registration No. 9L0063
DIN EN13432:2000-12

Certification scheme products made of compostable materials (2020-01) Registration No. 7H0199



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Smart Label

Printed Antenna



AKA 510 Technical Features ISO/IEC 14443 Type A

IC + memory	Size	Format	Sales Code	Part No.
Ntag 213	17.5 x 17.5 mm / 0.7 x 0.7 in	Dry Inlay	510H250D50	510H250D50.1717
ST25TN01K-AFG5	20 x 20 mm / 0.8 x 0.8 in	Wet Inlay	510H350W50	510H350W50.2020
飛聚 F8213/ FM11NT021	20 x 20 mm / 0.8 x 0.8 in	Label	510H380La50	510H380La50.2020

Antenna Size	17.5 x 17.5 mm / 0.7 x 0.7 in
Web Width	39 mm / 1.54 in
Operating Temperature (electronics)	-40 °C to +85 °C / -40 °F to + 185 °F
Adhesive	Hot Melt Adhesive
Core Size	76 mm / 3 in
Shelf Life	+20 °C / +68 °F, 50% RH - minimum 2 years from the date of manufacturing

