

PRODUCT DATASHEET

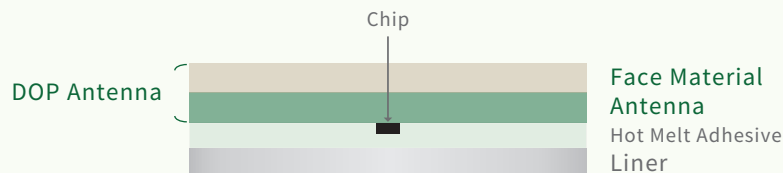
AKA842

Fly Tag / Apparel / Retail

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

860 - 960 MHz

Air Interface Protocol

ISO/IEC 18000-63

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

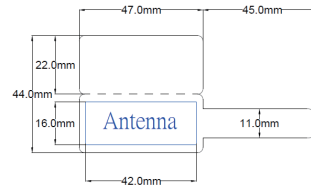


PRODUCT DATASHEET

AKA842

Smart Label

Printed Antenna



▲Fly Tag

AKA 842 Technical Features ISO/IEC 18000-63

IC + memory	Size	Format	Sales Code	Part No.
KX2005X-S (96 bit EPC)	42 x 16 mm / 1.7 x 0.6 in	Dry Inlay	842H350D5XS	842H350D5XS.4216
	45 x 18 mm / 1.8 x 0.7 in	Wet Inlay	842H350W5XS	842H350W5XS.4518
	45 x 18 mm / 1.8 x 0.7 in	Label	842H380La5XS	842H380La5XS.4518
	92 x 44 mm / 3.62 x 1.8 in	Fly Tag	842H311La5XS	842H311La5XS.9244

Antenna Size	42 x 16 mm / 1.7 x 0.6 in
Web Width	48 mm / 1.89 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

