AD Midas NFC

Overview

Frequency Band
NFC 13.56 MHz

Chip
NXP NTAG213

Antenna Dimensions
10 x 17 mm / 0.39 x 0.67 in

International Standard
ISO 14443A

Industry Segments
Electronics and Gaming
Apparel

Applications
NFC
Gaming and Toys
Electronics

RoHS
EU Directive 2011/65/EU and
Directive (EU) 2015/863

REACH
Regulation (EC) No. 1907/2006

Ideal NFC performance for small products

Our AD Midas inlays and tags are designed for products with space restrictions. Due to its small footprint, Midas is well suited for applications where inlays are embedded within limited spaces. It is the perfect thin inlay for embedding into housing such as electronics pairing, NFC-Bluetooth pairing, brand authentication, toy figures, and key fobs.

Midas designed as a copper antenna is available with the NXP NTAG213 chip and comes with the unique ID (UID) mirror functionality, which enables the chip serial number to be mirrored as part of its encoded URL address. This feature allows every tag to be seen and read as unique from the application perspective, without requiring users to encode inlays with different numbers.

Midas products are based on the ISO 14443 A standard, and are compatible with NFC Forum standards. Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management. This ensures a reliable and state-of-the-art product that meets a variety of application needs.

Technical features

Chip	NXP NTAG213	
User Memory	144 bytes	
Product Code	3002647 / IL-602751	3003265 / IL-602800
Delivery Format	Wet inlay +	Dry inlay +
Die-Cut Dimension	12 x 19 mm / 0.47 x 0.75 in	-
Inlay Substrate	PET	PET
Face Sheet	Clear PET 12	Clear PET 12
Thickness	75 µm	75 µm
Total Thickness	157 µm	137 µm
Standard Pitch	24 mm / 0.945 in	24 mm / 0.945 in
Web Width	24 mm / 0.945 in	24 mm / 0.945 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5000 pcs/reel 20000 pcs/box	5000 pcs/reel 20000 pcs/box
Operating Temperature	-25 °C to 70 °C -13 °F to 158 °F	

All graphs are indicative: performance in real life applications may vary.

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