Circus™ NFC NTAG 213

Overview

Frequency Band NFC 13.56 MHz

Chip

NXP NTAG210 Micro NXP NTAG213 NXP NTAG216

Antenna Dimensions

Ø 20 mm / 0.79 in

International Standard ISO 14443A

Industry Segments

Electronics and Gaming Apparel

Applications

NFC

Gaming and Toys Electronics

RoHS

EU Directive 2011/65/EU and 2015/863 Compliant

REACH

Regulation (EC) No 1907/2006



Smallest round HF inlay with best-in-class performance

Our Circus™ NFC inlays and tags are designed to suit applications where small size and high performance are critical. These round-form products are ideal for use in small stickers, key fobs and item-level tagging.

Circus[™] NFC inlays and tags are available with NXP's NTAG210 Micro, NTAG213 and NTAG216 chips. Circus[™] NFC with the NTAG210 Micro chip is a cost-efficient alternative where small size with 48 bytes of user memory is required, meeting the applications such as media advertising or collectable playing cards.

If a small form factor with large user memory is needed, then CircusTM NFC with NXP's NTAG213 chip is a proven product of choice. It offers 144 bytes of user memory, and comes with 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.

Circus™ NFC products are based on the ISO 14443 a standard, and conform to NFC Forum standards. Our inlays and tags are also 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.

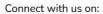


Technical features

Chip	NXP NTAG210 Micro	NXP NTAG213	NXP NTAG216
EPC and User Memory	48 bytes	144 bytes	888 bytes
Product Code	3006535	3002981, 3007321	3004473
Delivery Format	Wet inlay		
Die-Cut Dimension	Ø 22 mm / 0.866 in		
Inlay Substrate	PET		
Face Sheet	Clear PET		
Total Thickness	136 µm		
Standard Pitch	27 mm / 1.063 in		
Web Width	27 mm / 1 in		
Core Size	76 mm / 3 in		
Quantity / Reel	5000 pcs/reel 20000 pcs/box		
Operating Temperature	-25 °C to 70 °C / -13 °F to 158 °F		

Contact information

rfid.averydennison.com/contact +1-678-617-2359















Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.



