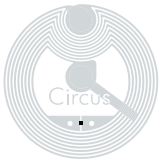


CIRCUS NFC

High-performance round NFC inlay for small items.



Circus NFC tags and inlays provide superior readability and best-in-class performance. They are ideal for applications where small size and best performance are a must. Circus NFC products are suitable for small stickers, key fobs and item-level tagging.

Circus NFC with NTAG213 IC comes with the unique ID (UID) mirror functionality which enables the IC's serial number to be mirrored as part of its encoded URL address. This feature enables every tag to be seen and read as unique from the application perspective, without requiring users to encode tags with variable numbers.

Circus NFC products are based on the ISO14443A standard and are compatible with NFC Forum standards.

Benefits:

- ▶ Top performance for demanding NFC applications and item level tagging in retail applications.
- ▶ Tiny-sized and cost effective NFC inlay with best-in-class performance.
- ▶ UID mirror functionality.
- ▶ Originality signature feature.
- ▶ ISO 14443A and NFC Forum Type 2 Tag applications compliance.

Overview

Operating Frequency

13.56 MHz

Integrated Circuit (IC)

NXP NTAG213

Antenna Size

Ø 20 mm (0.79 in)

Die-cut Size

Ø 22 mm (0.87 in)

International Standards

ISO 14443 A

NFC Forum

Quality Assurance

100% performance tested

Application Areas

Various NFC applications in:

- ▶ Retail Environment
- ▶ Social Media
- ▶ Games & Toys
- ▶ Location
- ▶ Loyalty Apps
- ▶ Electronics

More information:

www.NFCtags.com

CIRCUS NFC

Technical Features	
IC	NXP NTAG213
Memory	1152 bit / 144 byte
Frequency	13.56 MHz
Antenna Size	Ø 20 mm / 0.79"
Die-cut Size	Ø 22 mm / 0.87"
Web Width	27 mm / 1.06"
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Wet inlay
Adhesive	Acrylic, water borne adhesive
Adhesive Usage Temperature	min. -20°C to 80°C / min. -4°F to 176°F
Qty/Reel	5,000 per reel
Core Size	76 mm / 3"
Shelf Life: minimum of 2 years from the date of manufacture in	20°C / 68°F, 50% RH

SMARTRAC TECHNOLOGY GROUP uses three different qualification methods to evaluate the quality and reliability of RFID inlay and tag products. Products are tested according to IEC 60068-2-67 (temperature and humidity), JEDEC22-A104-B (temperature cycling) and an in-house developed bending test.



RoHS CE

For further information, please contact our sales representatives:

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