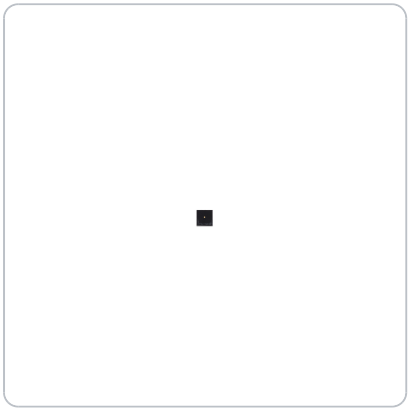
Product number: 17138

NFC Micro Tag FR4 - 5 x 5 mm - NTAG213 - 180 Byte - black



Product information

With a format of 5 x 5 mm, the NFC Micro Tag made of FR4 material can be accommodated in a space-saving manner and is particularly suitable for industrial use.

Short description

- FR4 material, rigid
- Not suitable for metallic/conductive surfaces
- Format 5 x 5 mm
- Indoor and outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP NTAG213 (NTAG213) - 180 bytes (NDEF: 137 bytes)

Product description

NFC product

The NFC Micro Tags have a format of 5 x 5 mm and a material thickness of 0.85 mm. The perforated roll in which the tags are supplied enables seamless integration into automated transport systems. The NFC cassettes on the roll have a hole that makes it easy to apply the tags to components or workpieces of all kinds. The FR4 material used, in which the NXP NTAG213 tag is embedded, is a versatile composite material. It is characterised by its tracking resistance, mechanical stability, bending strength and heat resistance up to 100°C.

NFC chip

The NFC Micro Tag is equipped with the original NXP NTAG213 and offers a cost-effective entry into the NTAG21x series. The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. The NTAG213 has a total capacity of 180 bytes (free memory 144 bytes), of which 137 bytes are usable memory in the NDEF. Each individual chip has a unique serial number (UID) consisting of 7 bytes (alphanumeric, 14 characters). The NFC chip can be written to up to 100,000 times and has a data retention period of 10 years. The NTAG213 has the UID ASCII mirror feature, with which the UID of the tag can be appended to the NDEF message, as well as an

integrated NFC counter, which is automatically incremented during readout. Both functions are not activated by default. The NTAG213 is compatible with all NFC-enabled smartphones, the NFC21 tools and all ISO14443 end devices.

- Total capacity: 180 bytes
- Free memory: 144 bytes
- Usable memory NDEF: 137 bytes

Product properties

Product number	17138
Weight	0,03 g
Material thickness	0,85 mm (T)
Material	FR4
Antenna format	4,5 x 4,5 mm
Type	Micro Tag
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte)
Water resistance	waterproof (IP68)
Frequency	13.56 MHz
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Storage temperature	Min -55°C - Max +125°C
Chip standards / ISO Norm	ISO 14 443-3 A , ISO 14 443-2 A
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Detail colour	black
Colour category	black
Compatibility	to NFC-enabled smartphones: 100%
Dimensions	5 x 5 mm (W x H)
Product form	square
Antenna	Copper

NFC Forum Type	NFC Forum type 2
Adhesive layer	No

More images

