



## Industry Tag-NFC (20mm)

## **FEATURES**

- The 20mm Tag with multi read/write capability is very small in size and is made of ABS to meet all endurance requirements in terms of heat, harsh environments and chemical resistance.
- Perform in the harshest environments, including harsh chemicals, painting processes & outdoor exposure.
- Dust & Waterproof.
- Flexible Read/Write Range (reader dependant).
- Insensitive to almost all non metallic materials.

## **APPLICATIONS**

- It has been widely used in supply chain, service industries, distribution logistics and manufacturing companies to identify goods & objects in an industrial environment.
- Can be used to read through obstructions, including plastics, concrete and more.
- Suitable for factory floor manufacturing applications because of rugged construction (IP Rating).

Fully compliant with NFC Forum Type 2 Tag and ISO/IEC14443 Type A specifications.  144 bytes user programmable read/write memory.  Data retention of 10 years  Write endurance 100,000 cycles  Outer Dia.  20mm Thickness 3.3mm Material ABS Colour Blue Weight 0.9 g Antenna Type Wire Antenna  Electrical:  Operating Frequency 13.56 MHz Operating mode Passive (battery-less transponder)  Ingress Protection:  IP67  Thermal:  Storage Temp40°C to +85°C Operating Temp25°C to +85°C  Options: Other IC type, Size, Shape & Colour on request	Chip Type:	NTAG213, 13.56 MHz		
Data retention of 10 years Write endurance 100,000 cycles  Outer Dia. 20mm Thickness 3.3mm  Material ABS Colour Blue Weight 0.9 g Antenna Type Wire Antenna  Electrical: Operating Frequency 13.56 MHz Operating mode Passive (battery-less transponder)  Ingress Protection: IP67  Thermal: Storage Temp40°C to +85°C Operating Temp25°C to +85°C  Part Number: 203G1  Other IC type, Size, Shape & Colour on request		Fully compliant with NFC Forum Type 2 Tag and ISO/IEC14443 Type A specifications.		
Write endurance 100,000 cycles  Outer Dia. 20mm Thickness 3.3mm  Material ABS Colour Blue Weight 0.9 g Antenna Type Wire Antenna  Electrical: Operating Frequency 13.56 MHz Operating mode Passive (battery-less transponder)  Ingress Protection: IP67  Thermal: Storage Temp40°C to +85°C Operating Temp25°C to +85°C  Part Number: 203G1  Other IC type, Size, Shape & Colour on request		144 bytes user programmable read/write memory.		
Mechanical:    Material   ABS		Data retention of 10 years		
Thickness 3.3mm  Material ABS  Colour Blue Weight 0.9 g Antenna Type Wire Antenna  Coperating Frequency 13.56 MHz Operating mode Passive (battery-less transponder)  Ingress Protection:  IP67  Thermal:  Storage Temp40°C to +85°C Operating Temp25°C to +85°C  Operating Temp25°C to +85°C  Operating Temp. Other IC type, Size, Shape & Colour on request  Options:  Options:		Write endurance 100,000 cycles		
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Mechanical:  Material Colour Blue Weight 0.9 g Antenna Type Wire Antenna   Coperating Frequency Operating mode Passive (battery-less transponder)  Ingress Protection:  IP67  Thermal: Storage Temp. Operating Temp40°C to +85°C Operating Temp25°C to +85°C  Part Number: Other IC type, Size, Shape & Colour on request	Mechanical:	Outer Dia.	20mm	
Colour Weight 0.9 g Antenna Type Wire Antenna  Departing Frequency Operating mode Passive (battery-less transponder)  Ingress Protection:  IP67  Storage Temp. Operating Temp40°C to +85°C Operating Temp25°C to +85°C  Part Number:  Other IC type, Size, Shape & Colour on request		Thickness	3.3mm	
Weight 0.9 g Antenna Type Wire Antenna    Derating Frequency		Material	ABS	
Antenna Type  Wire Antenna  Operating Frequency Operating mode  Passive (battery-less transponder)  Ingress Protection:  IP67  Thermal:  Storage Temp. Operating Temp.  Operating Temp.  -40°C to +85°C  -25°C to +85°C  Part Number:  203G1  Other IC type, Size, Shape & Colour on request		Colour	Blue	
Electrical:  Operating Frequency Operating mode  Passive (battery-less transponder)  Ingress Protection:  IP67  Thermal:  Storage Temp. Operating Temp.  -40°C to +85°C  Operating Temp25°C to +85°C  Part Number:  Other IC type, Size, Shape & Colour on request		Weight	0.9 g	
Ingress Protection:  IP67  Storage Temp. Operating Temp. Operating Temp. Operating Temp.  203G1  Other IC type, Size, Shape & Colour on request		Antenna Type	Wire Antenna	
Ingress Protection:  IP67  Storage Temp. Operating Temp. Operating Temp. Operating Temp.  203G1  Other IC type, Size, Shape & Colour on request				
Operating mode Passive (battery-less transponder)  Ingress Protection: IP67  Thermal: Storage Temp40°C to +85°C	Electrical:	Operating Frequency	13.56 MHz	
Thermal:  Storage Temp40°C to +85°C  Operating Temp25°C to +85°C  Part Number:  203G1  Other IC type, Size, Shape & Colour on request		Operating mode	Passive (battery-less transponder)	
Thermal:  Storage Temp40°C to +85°C  Operating Temp25°C to +85°C  Part Number:  203G1  Other IC type, Size, Shape & Colour on request				
Part Number:  Operating Temp.  -25°C to +85°C  203G1  Other IC type, Size, Shape & Colour on request	Ingress Protection:	IP67		
Part Number:  Operating Temp.  -25°C to +85°C  203G1  Other IC type, Size, Shape & Colour on request				
Operating Temp25°C to +85°C  Part Number: 203G1  Other IC type, Size, Shape & Colour on request	Thermal:	Storage Temp.	-40°C to +85°C	
Other IC type, Size, Shape & Colour on request  Options:		Operating Temp.	-25°C to +85°C	
Other IC type, Size, Shape & Colour on request  Options:				
Options:	Part Number:	203G1		
Options:				
Available with other plactic material a. DC /ADS	Options:	Other IC type, Size, Shape & Colour on request		
Available with other plastic material e.g. PC/ABS		Available with other plastic material e.g. PC/ABS		

<sup>\*</sup>Preliminary Data Sheet: Certain specification subject to change.