



arfidex Industrial RFID TAG



Datasheet

DUAL FREQUENCY
70 x 20 x 1,8 mm
TEXTILE LAUNDRY
UHF-NFC RFID TAG
ISO18000-6C -
ISO14443A
EPC Class 1 Gen 2

Product:	DUAL FREQUENCY UHF-NFC RFID LAUNDRY TAG with more than 200 industrial washing cycle times, capable of 60 bar pressure, stable and reliable RF performance for embedding by edge sewing (or optional heat sealing version).	
RFID Chips Options:	UHF-NFC ISO18000-6C and ISO14443A QStar 6-S (96 bits EPC, up to 2 Kbits shared User memory, 96 bits of Serialized TID).	
Read Range (ON METAL):	Fixed Reader: up to 4 m /Handheld: up to 2 m	(Depends on reader power)
Frequencies:	UHF: 860 MHz ... 960 MHz	NFC: 13,56 MHz
Dimensions / Weight:	70 x 20 x 1,8 mm	~ 0.8 g
Material / Colour / IP Rate:	Textile / White / IP68	Pressure: 60 bars
Minimum Order Quantity:	1000 pieces	Single pieces bulk in bag
Operating-Storage-Temperatures:	-40°C ...+85°C	-40°C...+120°C
Short Term Temperatures:	Washing: 90°C 15 minutes, 200 cycles Pre-drying: 180°C 30 minutes, 200 cycles	Ironing: 180°C 10 s, 200 cycles Sterilization: 135°C, 20 minutes
Autoclave:	Air removal: 100°C, 5 minutes, 0,1 bar Sterilizing: 134°C, 10 minutes, 3,25 bar	Drying: +45°C, 0,2 bar, 15 minutes,
Chemical Resistance:	Normal common washing chemicals	
Certification / Other:	CE OEKO-TEX® REACH SVHC	RoHS ✓
Part Description:	70x20x1.8mm-TEXTILE-LAUNDRY-DUAL-FREQUENCY-TAG-UHF-NFC-QStar-6S	Part-No. 123457358

arfidex GmbH | Adlerstraße 2 | D-63322 Rödermark | Germany | Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.



arfidex Industrial RFID TAG



Datasheet

DUAL FREQUENCY
70 x 20 x 1,8 mm
TEXTILE LAUNDRY
UHF-NFC RFID TAG
ISO18000-6C -
ISO14443A
EPC Class 1 Gen 2

Options:

- Customised logo printing
- Serial Number printing
- UID-TID Number printing

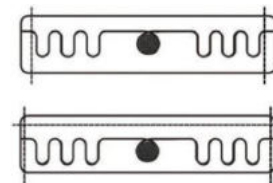
These rugged RFID transponders are used by system integrators or endusers to identify all kind of textiles in industrial harsh environment like laundry systems and others.

Applications:

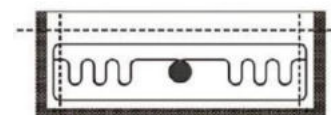
- Access-control management
- Carpets Anti-Counterfeiting
- Laundry Asset Management
- Industrial ID
- Management of uniforms.
- Medical apparel management
- Professional Laundry
- Rental Clothes
- Maintenance and Service of Textiles
- Your application

Affixing Methods:

Stitching



Pouching



arfidex GmbH | Adlerstraße 2 | D-63322 Rödermark | Germany | Phone: +49 (0) 6074 861930

www.arfidex.de | info@arfidex.de

© arfidex makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does arfidex assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by arfidex have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by arfidex. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by arfidex hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. arfidex does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to arfidex, and arfidex reserves the right to make any changes to the information in this document or to any products and services at any time without notice.