

AD Dogbone® M730

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M730

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-63 EPC class 1 Gen 2

Industry Segments

Automotive
Logistics
Sports and Events

Applications

Inventory and Logistics
Sports Timing
Supply Chain Management

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance on difficult-to-tag materials

AD Dogbone® M700 inlays from Avery Dennison are designed for global supply chain, logistics, and sports timing applications. They excel through superior performance in demanding environments and on difficult-to-tag materials, due to their good tolerance against the detuning effect of high dielectric materials.

This product is equipped with the M730 IC from Impinj. The IC comes with 128-bit EPC memory and offers an enhanced “autotune” adaptive RF tuning feature. In addition, the IC has an improved read and write sensitivity, enabling faster and more accurate bulk reading compared to Impinj R6/R6-P.

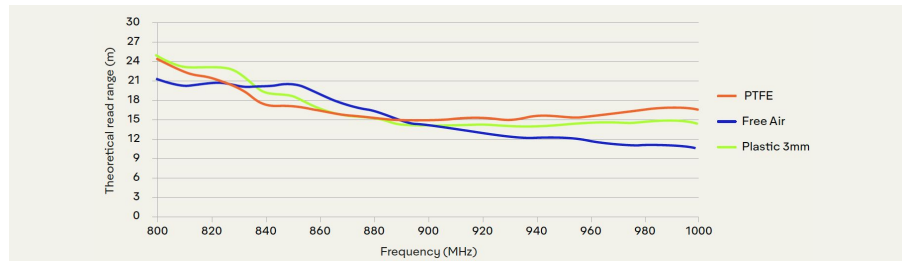
The M730 IC is compatible with the global GS1 UHF Gen2v2 standard and has a privacy mode that enables loss prevention and protects consumer privacy. AD Dogbone® M730 inlays have a size of 97 x 27 mm, which is optimized for 100 mm / 4 inch wide converted labels, and are available in dry, wet, and paper tag delivery formats.

Like all RFID products from Avery Dennison, AD Dogbone® M730 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

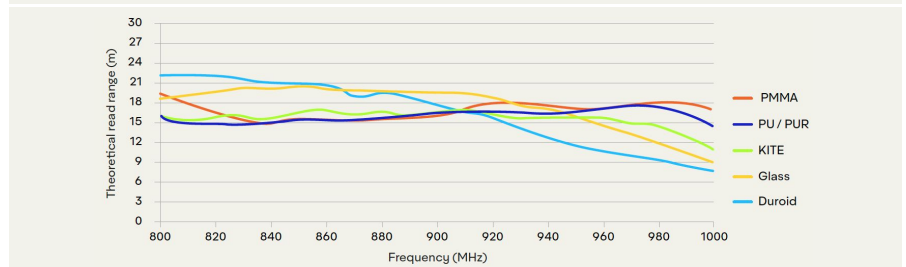
Technical features

| | | | |
|-----------------------|---|------------------------------------|------------------------------------|
| Chip | Impinj M730 | | |
| EPC and User Memory | 128-bit | | |
| TID Memory | 96 bits of Serialized TID with 48-bit serial number | | |
| Product Code | 3008223 | 3008445 | 3008054 |
| Delivery Format | Dry inlay | Wet Inlay | Label |
| Die-Cut Dimension | - | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | - | Clear PET | Mid-gloss paper |
| Inlay Liner Material | - | Silicon liner | Silicon liner |
| Standard Pitch | 30 mm / 1.18 in | 30 mm / 1.18 in | 30 mm / 1.18 in |
| Web Width | 97 mm / 3.8 in 100 mm / 3.94 in | 97 mm / 3.8 in 100 mm / 3.94 in | 97 mm / 3.8 in 100 mm / 3.94 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel | 10,000 pcs/reel | 3,000 pcs/reel |
| Operating Temperature | 45 °C to 85 °C / -49 °F to 185 °F | | |

Theoretical read range in Class 1 materials



Theoretical read range in Class 2 materials



All graphs are indicative: performance in real life applications may vary.

Contact information

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



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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.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.



AD Dogbone® M750

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M750

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-63 EPC class 1 Gen 2

Industry Segments

Automotive
Logistics
Sports and Events

Applications

Inventory and Logistics
Sports Timing
Supply Chain Management

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance on difficult-to-tag materials

AD Dogbone® M700 inlays from Avery Dennison are designed for global supply chain, logistics, and sports timing applications. They excel through superior performance in demanding environments and on difficult-to-tag materials, due to their good tolerance against the detuning effect of high dielectric materials.

The product is equipped with the M750 IC from Impinj. The IC comes with 96-bit EPC memory and 32-bit User memory, and offers an enhanced "autotune" adaptive RF tuning feature. In addition, the IC has an improved read and write sensitivity, enabling faster and more accurate bulk reading compared to Impinj R6/R6-P.

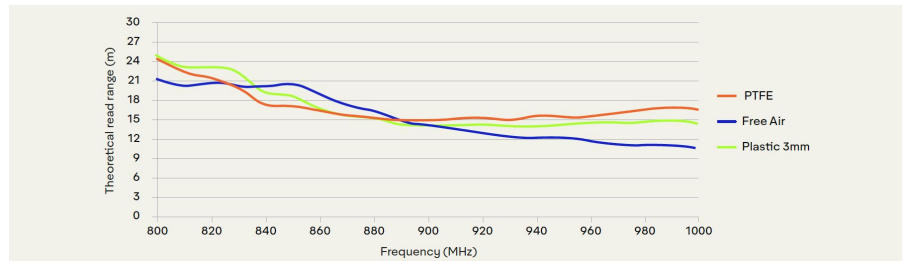
The M750 IC is compatible with the global GS1 UHF Gen2v2 standard and has a privacy mode that enables loss prevention and protects consumer privacy. Dogbone® M750 inlays have a size of 97 x 27 mm, which is optimized for 100 mm / 4 inch wide converted labels, and are available in dry, wet, and paper tag delivery formats.

Like all RFID products from Avery Dennison, AD Dogbone® M750 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

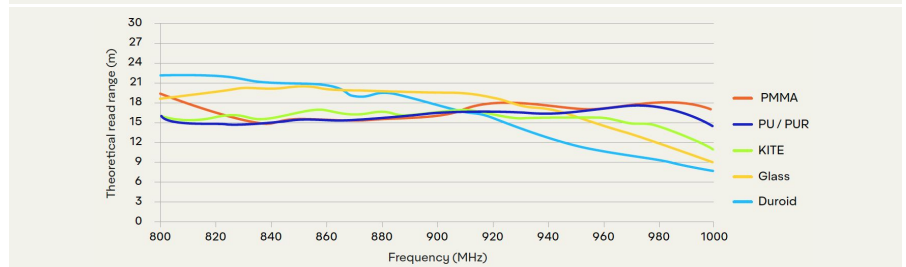
Technical features

| | | | |
|-----------------------|---|------------------------------------|------------------------------------|
| Chip | Impinj M750 | | |
| EPC and User Memory | 96-bit and 32-bit | | |
| TID Memory | 96 bits of Serialized TID with 48-bit serial number | | |
| Product Code | 3007480 | 3007969 | 3007482 |
| Delivery Format | Dry inlay | Wet inlay | Label |
| Die-Cut Dimension | - | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | - | Clear PET | Mid-gloss paper |
| Inlay Liner Material | - | Silicon liner | Silicon liner |
| Standard Pitch | 30 mm / 1.18 in | 30 mm / 1.18 in | 30 mm / 1.18 in |
| Web Width | 97 mm / 3.8 in 100 mm / 3,94 in | 97 mm / 3.8 in 100 mm / 3,94 in | 97 mm / 3.8 in 100 mm / 3,94 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel | 10,000 pcs/reel | 3,000 pcs/reel |
| Operating Temperature | 45 °C to 85 °C / -49 °F to 185 °F | | |

Theoretical read range in Class 1 materials



Theoretical read range in Class 2 materials



All graphs are indicative: performance in real life applications may vary.

Contact information

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza 4D

Antenna Dimensions

85.9 x 24 mm / 3.382 x 0.945 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

Dogbone® inlays and tags have good tolerance against the detuning effect of high dielectric materials, providing effective global performance even on difficult-to-tag materials. They are available with the Impinj Monza 4D chip that offers 128-bit EPC and 32-bit user memory.

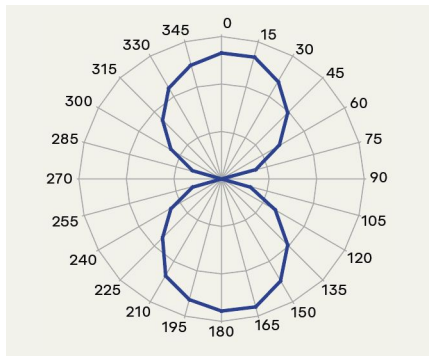
The inlay's die cut size is 97 x 27 mm / 3.8 x 1 inch, making this design suitable for use with a wide range of supply chain labels, and are available in dry, wet and label / sticker delivery formats.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

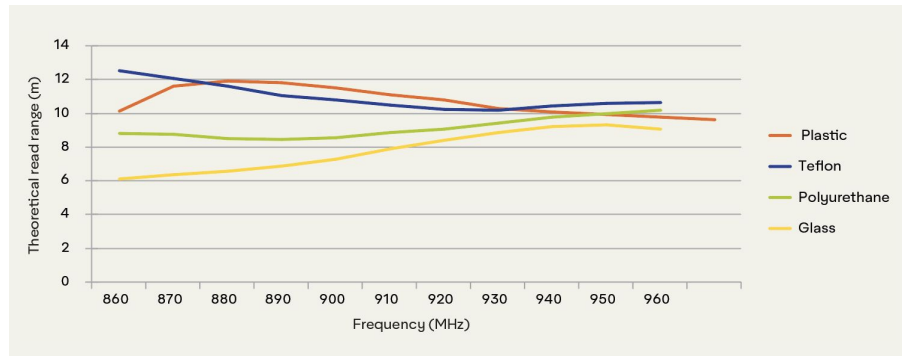
Technical features

| | | | |
|-----------------------|--------------------------------------|---------------------------------|---------------------------------|
| Chip | Impinj Monza 4D | | |
| EPC and User Memory | 128-bit and 32-bit | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3001873 | 3001874 | 3001878 |
| Delivery Format | Dry inlay | Wet inlay | Label / sticker |
| Die-Cut Dimension | – | 97 x 27 mm / 3.819 x 1.06 in | 97 x 27 mm / 3.819 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET 12 | Clear PET 12 | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 97 mm / 3.819 in | 100 mm / 3.937 in | 100 mm / 3.937 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel 10,000 pcs/box | 5,000 pcs/reel 5,000 pcs/box | 3,000 pcs/reel 6,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza R6

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

Dogbone® inlays and tags have good tolerance against the detuning effect of highly dielectric materials, providing effective global performance even on difficult-to-tag materials. The inlay is size optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and paper tag delivery formats.

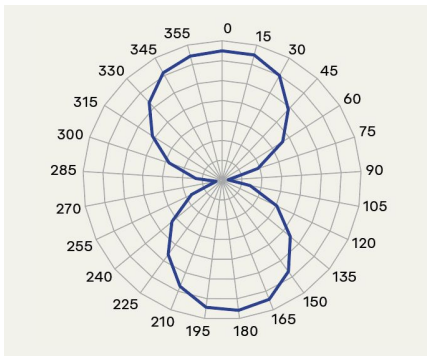
They are available with the Impinj Monza R6 and R6-P chips that come with an autotune feature, which helps the Dogbone® product to work at peak efficiency, even in rapidly changing environments. Dogbone® with the Monza R6 chip offers a unique TID and enables pre-serialized EPC. Inlays with Monza R6-P offer additional features such as add-on user memory and on-demand memory configuration as well as a kill function and easy access control to change tag information for store data, if required.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

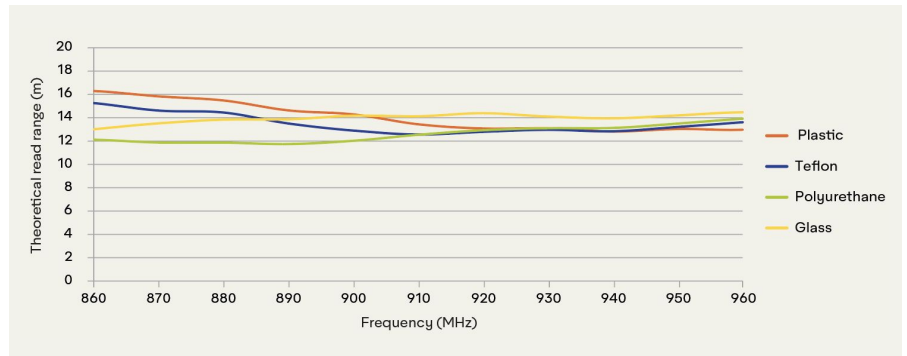
Technical features

| | | | |
|-----------------------|--------------------------------------|-----------------------------|---------------------------------|
| Chip | Impinj Monza R6 | | |
| EPC and User Memory | 96-bit | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3004004 | 3004005 | 3004006 |
| Delivery Format | Dry inlay | Wet inlay | Label / sticker |
| Die-Cut Dimension | – | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET | Clear PET | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 97 mm / 3.82 in | 100 mm / 4 in | 100 mm / 4 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel | 5,000 pcs/reel | 3,000 pcs/reel 6,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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+1-678-617-2359

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza R6-P

Antenna Dimensions

94 x 24 mm / 3.70 x 0.945 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EU and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



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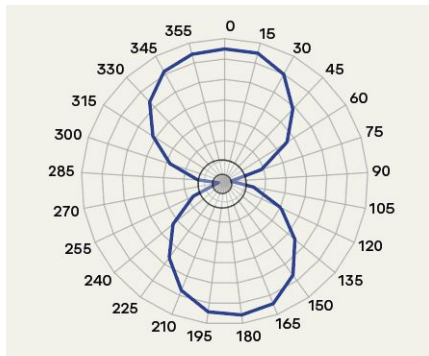
They are available with the Impinj Monza R6 and R6-P chips that come with an autotune feature, which helps the Dogbone® product to work at peak efficiency, even in rapidly changing environments. Dogbone® with the Monza R6 chip offers a unique TID and enables pre-serialized EPC. Inlays with Monza R6-P offer additional features such as add-on user memory and on-demand memory configuration as well as a kill function and easy access control to change tag information for store data, if required.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

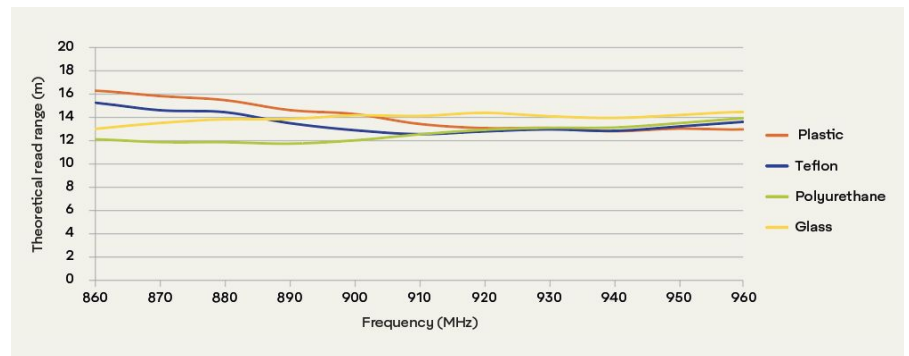
Technical features

| | | | |
|-----------------------|--------------------------------------|-----------------------------|---------------------------------|
| Chip | Impinj Monza R6-P | | |
| EPC and User Memory | 128-bit / 96-bit and 32-bit / 64-bit | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3005071 | 3005072 | 3005073 |
| Delivery Format | Dry inlay | Wet inlay | Label / sticker |
| Die-Cut Dimension | – | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET | Clear PET | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 97 mm / 3.82 in | 100 mm / 4 in | 100 mm / 4 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel | 5,000 pcs/reel | 3,000 pcs/reel 6,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

94 x 24 mm / 3.70 x 0.95 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

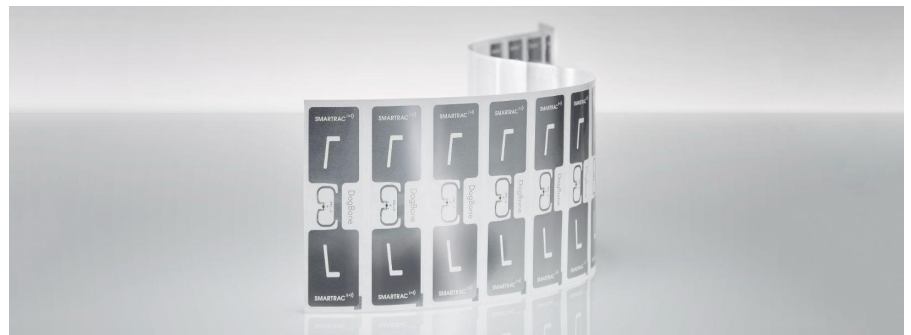
Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

Dogbone® inlays and tags have a good tolerance to the detuning effect of high dielectric materials, providing effective global performance even on difficult-to-tag materials. They are available with the NXP UCODE 7 chip that offers 128 bits of EPC memory.

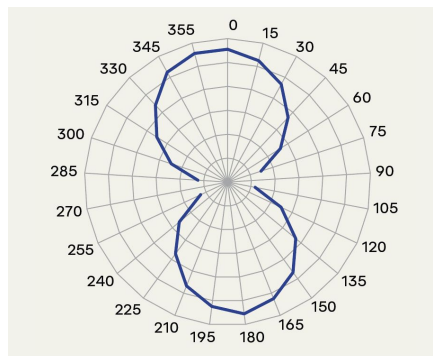
The inlay is size-optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and label /sticker delivery formats.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

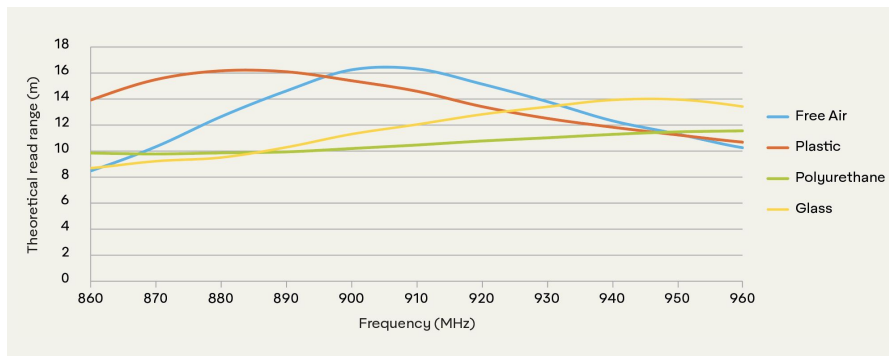
Technical features

| | | | |
|-----------------------|--------------------------------------|---------------------------------|---------------------------------|
| Chip | NXP UCODE 7 | | |
| EPC and User Memory | 128-bit | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3003019 | 3003020 | 3003021 |
| Delivery Format | Dry inlay | Wet inlay | Label / sticker |
| Die-Cut Dimension | – | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET 12 | Clear PET 12 | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 97 mm / 3.819 in | 100 mm / 4 in | 100 mm / 4 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel 10,000 pcs/box | 5,000 pcs/reel 5,000 pcs/box | 3,000 pcs/reel 3,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7XM

Antenna Dimensions

94 x 24 mm / 3.70 x 0.95 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

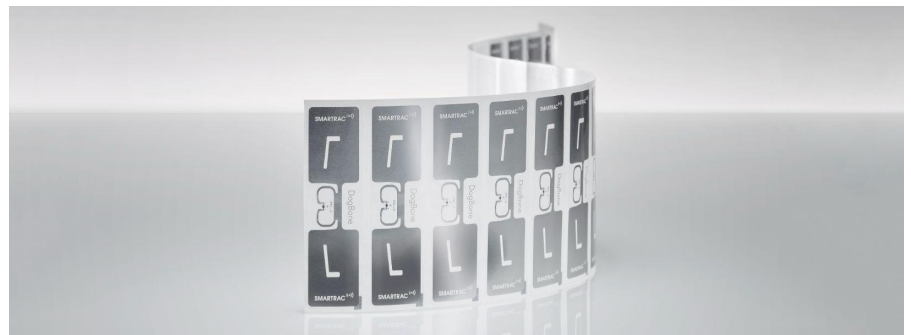
Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags with the new high memory ICs from NXP UCODE family are designed for global supply chain, industrial, RTI and applications, and offer excellent performance in demanding environments and on different materials.

Dogbone® inlays and tags have good tolerance and performance on difficult-to-tag or low-detuning materials such as cardboard and plastics, and in other demanding environments. They are available with the latest NXP UCODE products, like UCODE 7XM and 7xm+ with extended memory, supporting 2 kbit of user memory and 448 bit EPC memory. In addition, UCODE DNA is the world's first UHF IC to combine long-range read performance with cryptographic authentication and offers 3 kbit of user memory and 224 bit EPC memory. All chips offer unique TID and enable pre-serialized EPC, parallel encoding and provide a product status flag.

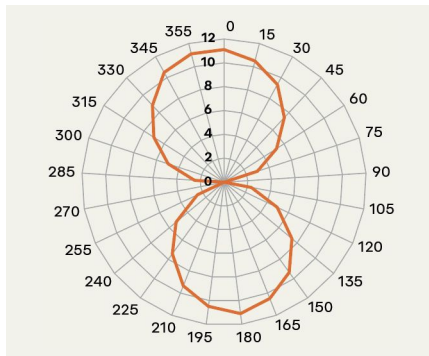
The inlay is size-optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and label / sticker delivery formats.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

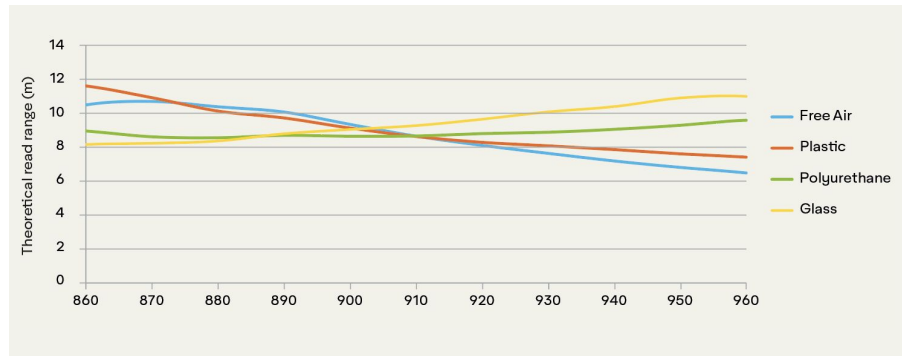
Technical features

| | | | |
|-----------------------|--------------------------------------|-----------------------------------|---------------------------------|
| Chip | NXP UCODE 7XM | | |
| EPC and User Memory | 448-bit and 2048-bit | 448-bit and 1024-bit | 448-bit and 2048-bit |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3005085 | 3005086 | 3005087 |
| Delivery Format | Wet inlay | Dry inlay | Label / sticker |
| Die-Cut Dimension | 97 x 27 mm / 3.82 x 1.06 in | – | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET | Clear PET | Mid-gloss paper |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 100 mm / 4 in | 97 mm / 3.8 in | 100 mm / 4 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 5,000 pcs/reel 5,000 pcs/box | 10,000 pcs/reel 10,000 pcs/box | 3,000 pcs/reel 3,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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

Connect with us on:



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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.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.



Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

94 x 24 mm / 3.70 x 0.95 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for industry and supply-chain applications, offering excellent performance on difficult-to-tag materials such as cardboard and plastic, glass and in other demanding, close-coupling environments.

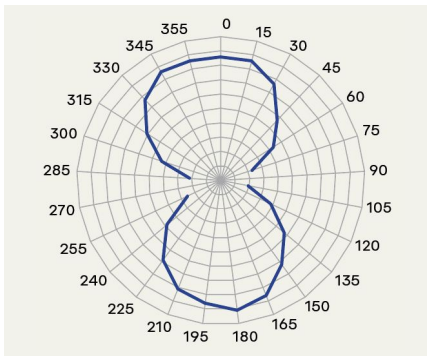
Dogbone® inlays and tags have a good tolerance to the detuning effects of high dielectric materials and provide effective global performance. They can be easily converted into end-application usage, and are available in dry, wet and paper tag delivery formats. Dogbone® is equipped with NXP UCODE 8 and offers the same memory size and typical IC features as NXP UCODE 7. Furthermore, it offers a self adjust feature to maximize product performance in challenging environments and has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 7. Furthermore, the chip has an integrated brand identifier function to prove product authenticity and a memory safeguard system to protect business data.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

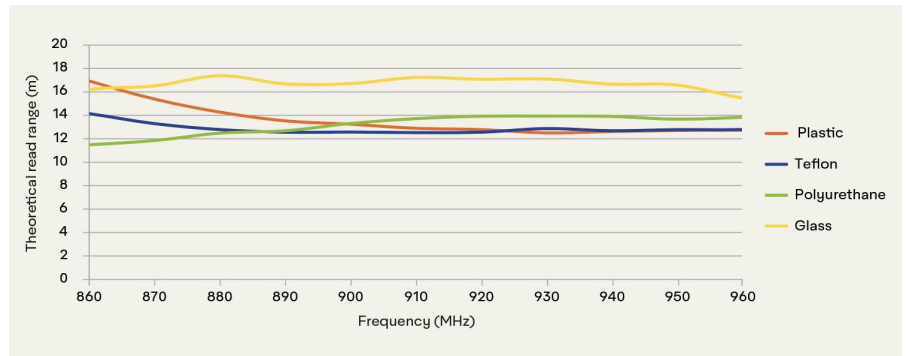
Technical features

| | | | |
|-----------------------|--------------------------------------|-----------------------------------|---------------------------------|
| Chip | NXP UCODE 8 | | |
| EPC and User Memory | 128-bit and n/a | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | 3006908 | 3006910 | 3006909 |
| Delivery Format | Dry inlay | Wet inlay | Label / sticker |
| Die-Cut Dimension | – | 97 x 27 mm / 3.82 x 1.06 in | 97 x 27 mm / 3.82 x 1.06 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | Clear PET 12 | Clear PET 12 | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | 30 mm / 1.181 in | 30 mm / 1.181 in |
| Web Width | 97 mm / 3.819 in | 100 mm / 4 in | 100 mm / 4 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel 10,000 pcs/box | 10,000 pcs/reel 10,000 pcs/box | 3,000 pcs/reel 6,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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International: +1-678-617-2359

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Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE G2iL

Antenna Dimensions

88 x 24 mm / 3.47 x 0.94 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for global supply chain, industrial and RTI applications, offer excellent performance in demanding environments and on different materials.

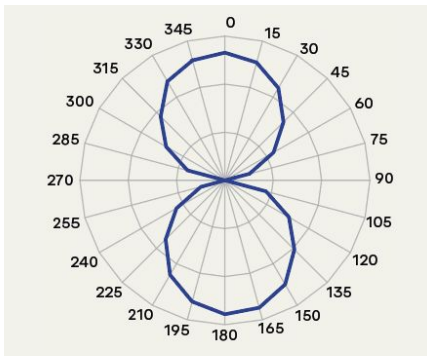
Dogbone® inlays and tags have a good tolerance to the detuning effect of high dielectric materials, providing effective global performance even on difficult-to-tag materials. They are available with the NXP UCODE G2iL chip that offers 128 bits of EPC memory. The inlay is size-optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and label / sticker delivery formats.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

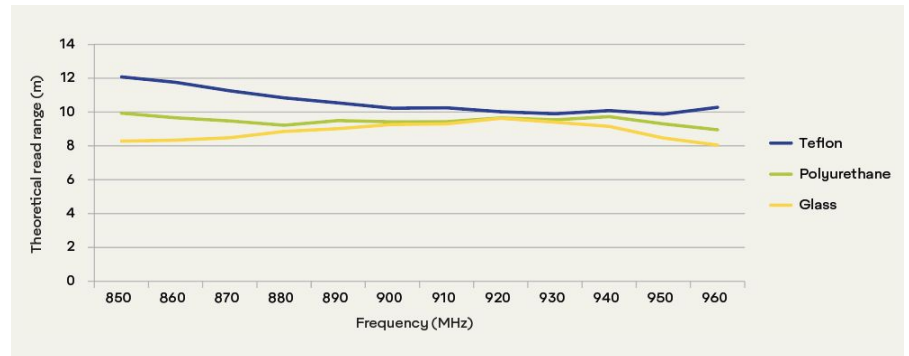
Technical features

| | | |
|-----------------------|--------------------------------------|-------------------------------------|
| Chip | NXP UCODE G2iL | |
| EPC and User Memory | 128-bit | |
| TID Memory | 64-bit / 32-bit unique serial number | |
| Product Code | 3002037 | 3002038 |
| Delivery Format | Wet inlay | Label / sticker |
| Die-Cut Dimension | 97 x 27 mm / 3.819 x 1.06 in | 97 x 27 mm / 3.819 x 1.06 in |
| Face Sheet | Clear PET 12 | Opaque Matt Paper 79 |
| Standard Pitch | 30 mm / 1.181 in | - |
| Web Width | 100 mm / 3.937 in | 100 mm / 3.937 in |
| Core Size | 76 mm / 3in | 76 mm / 3in |
| Quantity / Reel | 5,000 pcs / reel 10,000 pcs / box | 3,000 pcs / reel 6,000 pcs / box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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