

Dogbone® Dura

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza R6-P

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Logistics
Industrial Applications

Applications

Inventory and Logistics
Returnable Transport Units (RTUs)

RoHs

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

REACH

Regulation (EC) No 1907/2006



Adding robustness to excellent performance on demanding applications

Our Dogbone® Dura UHF RFID inlays and tags combine excellent performance on different materials with outstanding robustness and water resistance, making them an excellent choice for demanding global supply chain and industrial applications in harsh environments.

Dogbone® Dura comes with thick, semi-stiff thermosetting layers attached to both sides of the antenna / IC structure, providing effective protection against mechanical and environmental stresses without affecting the performance of the underlying inlay design. The encasement provides an IP68 rating and is ATEX compatible.

Tested to EN60068-2-27 (mechanical shock) and EN60068-2-6 (vibration) standards, Dogbone® Dura provides a level of durability that is comparable to hard tags, and is available with the Impinj Monza R6-P IC that comes with an autotune feature, which helps the Dogbone® to work at peak efficiency.

Dogbone® Dura has a white printable face material and is available in wet and dry formats. Wet format tags come with water-resistant high-strength adhesive, dry format tags have extensions to allow a punch hole for attachment.

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 and 32-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3006914	3006915
Delivery Format	Dry inlay	Wet inlay
Die-cut Dimension	-	127 x 27 mm / 5 x 1 in
Inlay Substrate	PET	
Face Sheet	White PET	
Total Thickness	465 µm	520 µm
Standard Pitch	30 mm / 1.181 in	
Web Width	130 mm / 5.11 in	
Core Size	76 mm / 3 in	
Quantity / Reel	1000 pcs/reel	2000 pcs/box
Operating Temperature	-40 °C to 85 °C	-40 °F to 185 °F

Each product can be certified for ATEX upon request.

Contact information

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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.