

November 2022

AD Skyline ETSI

Overview

Frequency Band

UHF 865 - 868 MHz

Chip

NXP UCODE 7XM

Antenna Dimensions

112 x 23 mm / 4.41 x 0.91 in

Die-cut Dimensions

54 x 25 mm / 2.13 x 0.98 in (folded)

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Logistics

Applications

Brand Protection
On-Metal Asset Tracking
Asset Tracking

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Combining long read range with small size on metal

Avery Dennison Smartrac's AD Skyline ETSI RAIN RFID (UHF) labels are robust on-metal labels, combining superior read range and small footprint. The innovative antenna layout allows a very compact label size of 54 x 25 x 1.8 mm while providing a read range of up to 6 meters for a broad variety of applications such as tracking of metallic parts, components, RTIs and containers in automotive or industrial markets, mechanical engineering or aviation.

AD Skyline labels utilize NXP's UCODE 7XM IC with 448-bit EPC memory and an extended user memory of 2 Kbits. The IC is compatible with automotive VDA recommendations, supports long read ranges and reliable operation in dense reader and noisy environments due to its high radio sensitivity and interference rejection features.

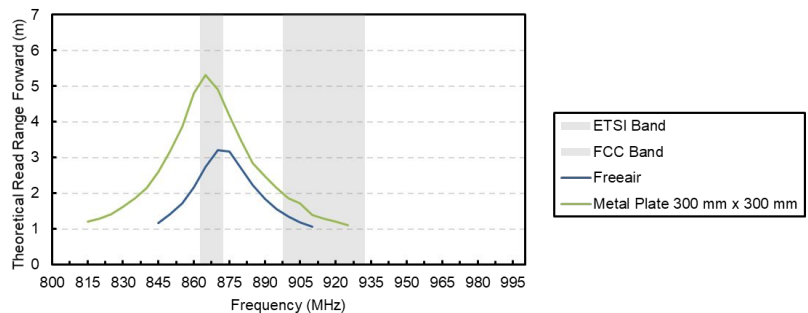
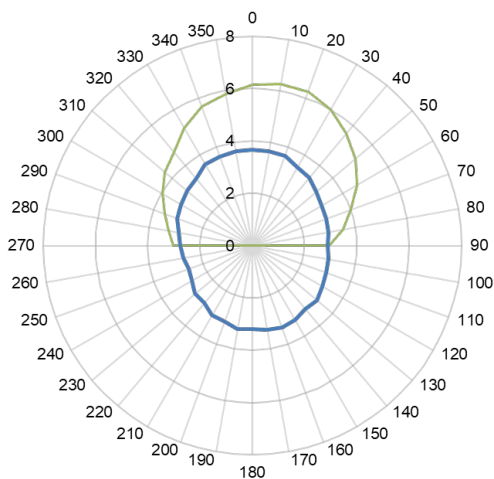
AD Skyline is a converted label uniquely folded around a synthetic foam spacer. It has a strong and resilient adhesive, providing excellent adhesion to a wide array of surfaces. The finished label surface is printable with TTR printers and there are black marks on top and bottom side of the label.

Avery Dennison Smartrac labels 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, especially in the automotive and industrial environments.

May 2021

Technical features

Chip	NXP UCODE 7XM
EPC and User Memory	448-bit and 2048-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	3008011 / IL-604006
Delivery Format	Adhesive Label
Die-Cut Dimension	54 x 25 mm / 2.13 x 0.98 in (folded)
Inlay Substance	PET
Face Sheet	White PET
Total Thickness	1800 microns
Standard Pitch	30 mm / 1.18 in
Web Width	57 mm / 2.24 in
Core Size	76 mm / 3 in
Quantity / Reel	450 pcs / reel
Operating Temperature	-40°C to 85°C / -40 °F to 185 °F



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.

