AD TexTrace™ KC11 with M730 Soft Knit Overlock

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M730

IC Attachment Technology
Direct Chip Attach

Antenna Dimensions
1.8 x 25 mm / 0.071x 0.984 in

International Standard
ISO 18000-63, EPC Class 1 Gen 2

Industry Segments
Apparel

Applications
Retail

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

Invisible, Secure, Reliable.

The AD TexTrace™ Soft Knit Overlock solution is designed and developed to remain with the garment for the longest possible time without compromising its functionality. It's offered as a slim Overlock label for integration in the seam of a garment. The AD TexTrace™Soft Knit Overlock solutions cannot be identified within the garment and therefore provide the highest reliability for example for RFID-based loss prevention applications.

TexTrace KC11 booster antennas with inlays from Avery Dennison provide outstanding performance. Leveraging the capabilities of Impinj M730 chip, this Gen2 UHF RFID solution is an excellent choice for tracking retail apparel when a fully integrated, sewn-in solution is required. The TexTrace KC11 M730 features a soft, high-comfort carrier that integrates seamlessly into overlock seams, making it virtually invisible to the wearer while preserving garment aesthetics.

TexTrace KC11 M730 inlays feature 128 bits of EPC memory. A 96-bit Tag IDentifier (TID) is factory locked with a 48-bit unique serial number embedded into the TID.

Like all RFID products from Avery Dennison, TexTrace KC11 M730 inlays are manufactured according to the industry's highest quality standards. They provide stable attachment, predictable read rates, and complete compatibility with automated sewing and labeling equipment.

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Avery Dennison
Smartrac
Product Data Sheet

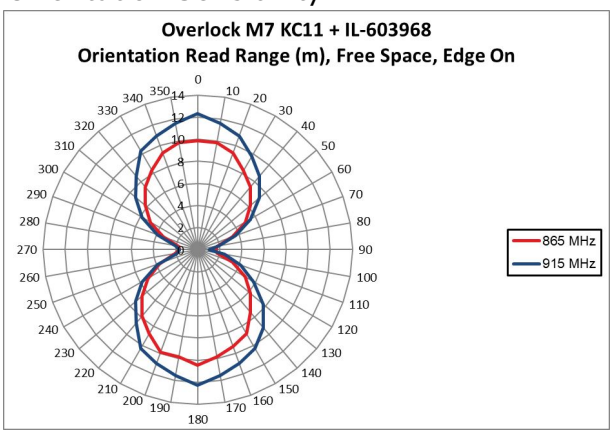
Technical features - Loop

Inlay Loop Model Name	UHF 1.8 x 25 mm M730
Antenna Dimensions (CDxMD)	1.8 x 25 mm / 0.07 x 0.98 in
Inlay Die-cut Dimensions	2.8 x 26 mm / 0.11 x 1.02 in
Standard Pitch	34.93 mm / 0.1.375 in
Standard Web Width	24mm / 0.94 in
Inlay substrate Material	White PET
Inlay-to-liner Adhesive	S8025
Liner Material	Transparent PET

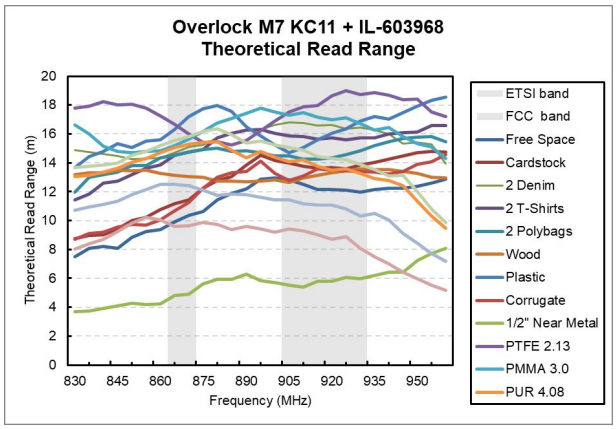
Technical features - Booster

Booster Antenna Design	KC11
Woven Antenna Dimensions (CDxMD)	6mm x 97mm (+/- 2.5mm)
EPC and User Memory	128 bit and and 0-bit User Memory
TID Memory	96-bit / 48-bit unique serial number
Format	Black TT Tape or White TT Tape
Material	100% recycled polyester yarns
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
Durability/Washability	Resists 5 home washing cycles at 40°C
Quality Assurance	100% read tested with out-of-tolerance inlay(s) being marked
Unwind Direction	Inlay-side In
Core Size	76 mm / 3 in
Size of Roll	330.2 mm / 13 in

Orientation Sensitivity



Read Distance



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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.

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