Datasheet TX7010-Series
FLEET M730

High Performance Global RAIN RFID Inlay for Enhanced Item Performance

Hana's comprehensive ARC-certified RAIN RFID (UHF) inlay program is tailored for use in applications across various industries, such as apparel/retail, agriculture and food production, and supply chain/logistics.

Offered in a wide range of delivery formats, our inlays are ideal for numerous applications demanding exceptional performance.

Applications

Inventory Management
Supply Chain Automation
Apparel
Product Authentication

Industry Segments

Agriculture & Food Production
Retail
(Industrial) Manufacturing
Supply Chain & Logistics

Quality & Certification

ARC Certified	Yes, Spec F, I, L, Q, R, W5, W6, Y2
Inspection	100% Tested
RoHS	EU Directive 211/65/EU and 2015/863 compliant

Overview

Antenna Size	70 x 10 mm (2.756 x 0.394")
IC	Impinj M730
EPC Memory	128-bit
User Memory	-
TID Memory	96-bit
Frequency Band	UHF 860 - 960 MHz
Protocol	EPC Global Gen 2v2 ISO/IEC 180000-63 Type C
Delivery Formats	Dry Inlay, Wide Web, Paper Face, Multi-Lane

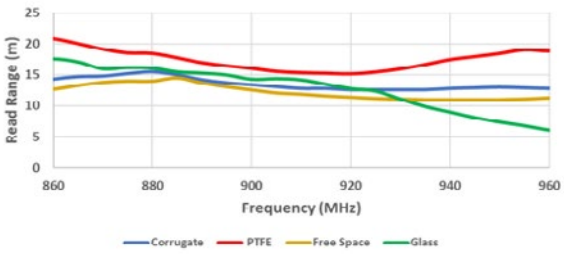
Technical Overview

	Dry Inlay	Dry Inlay	Dry Wide Web	Dry Wide Web
Product Code	TX7010AM730	TX7010CM730	TX7010A85M730	TX7010DM730
Antenna/tag Size	70 x 10 mm 2.756 x 0.394”	70 x 10 mm 2.756 x 0.394”	70 x 10 mm 2.756 x 0.394”	70 x 10 mm 2.756 x 0.394”
Web Width	73,5 mm 2.894”	73,5 mm 2.894”	85 mm 3.344”	89 mm 3.504”
Pitch	15,875 mm 0.625”	25,4 mm 1”	15,875 mm 0.625”	25,4 mm 1”
Inlays per Roll	55.000	30.000	55.000	30.000
Antenna Material	Aluminium	Aluminium	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM Al	50um PETm 9UM Al	50um PETm 9UM Al	50um PETm 9UM Al
Facesheet Properties	N/a	N/a	N/a	N/a
Adhesive Properties	N/a	N/a	N/a	N/a
Operating Temperatures	-40 to 85˚C -40 to 185˚F	-40 to 85˚C -40 to 185˚F	-40 to 85˚C -40 to 185˚F	-40 to 85˚C -40 to 185˚F
Adhesive Application	N/a	N/a	N/a	N/a
Adhesive Service Temperature (range)	N/a	N/a	N/a	N/a

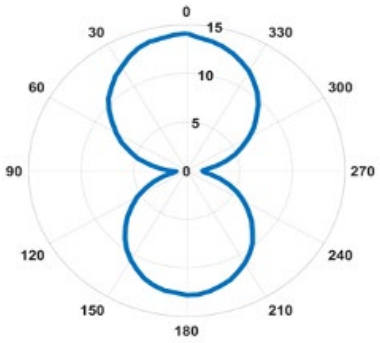
Technical Overview

	Dry Inlay, Multi-lane 4 AC	Wet White Paperface	Paper Face	Paper Face
Product Code	TX7010BM730	TX7010AM730-WW	TX7010CM730-WW	TX7010BM730-WW
Antenna/Finished Size	70 x 10	73 x 13,5 mm	73 x 13,5 mm	73 x 13,5 mm
	2.756 x 0.394”	2.875 x 0.531”	2.875 x 0.531”	2.875 x 0.531”
Web Width	340 mm	79,375 mm	79,375 mm	79,375 mm
	13.386”	3.125”	3.125”	3.125”
Pitch	15,875 mm	15,875 mm	25,4 mm	25,4 mm
	0.625”	0.625”	1”	1”
Inlays per Roll	80.000	18.000	4.500 (Ø 203 mm / 8”)	12.000 (Ø 305 mm / 12”)
Antenna Material	Aluminium	Aluminium	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM Al	50um PETm 9UM Al	50um PETm 9UM Al	50um PETm 9UM Al
Facesheet Properties	N/a	40# Thermal Transfer Paper	40# Thermal Transfer Paper	40# Thermal Transfer Paper
Adhesive Properties	N/a	Acrylic Permanent	Acrylic Permanent	Acrylic Permanent
Operating Temperatures	-40 to 85˚C	-40 to 85˚C	-40 to 85˚C	-40 to 85˚C
	-40 to 185˚F	-40 to 185˚F	-40 to 185˚F	-40 to 185˚F
Adhesive Application	N/a	-4˚C	-4˚C	-4˚C
		25˚F	25˚F	25˚F
Adhesive Service	N/a	-59 to 93˚C	-59 to 93˚C	-59 to 93˚C
Temperature (range)		-75 to 200˚F	-75 to 200˚F	-75 to 200˚F

Read Range



Orientation Sensitivity



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Warranty: Please refer to Hana's UHF Labels standard terms and conditions. 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 requirements. Hana Technologies, Inc. does not represent that this product is fit for any particular purpose or use. The information contained herein is believed to be reliable but Hana Technologies, Inc. makes no representation concerning the accuracy or correctness of the data.

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