



Datasheet TX4420-Series VALOR M830



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

- Apparel
- Accessories & Jewellery
- Loss Prevention
- Sporting Goods

Industry Segments

- Retail (non-food)
- Supply Chain and Logistics
- (Industrial) Manufacturing

Overview

Antenna Size	44 x 20 mm (1,732 x 0,787")
IC	Impinj M830
EPC Memory	128-bit
User Memory	-
TID Memory	96-bit
Frequency Band	UHF 860 - 960 MHz
Protocol	EPC Global Gen 2v2 ISO/IEC 18000-63 Type C
Delivery Formats	Dry Inlay, Wide Web, Paper Face

Quality & Certification

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

Technical Overview

	Dry Inlay	Dry Wide Web	Paper Face
Product Code	TX4420FM830	TX4420GM830	TX4420CM830-WW
Antenna/Finished Size	44 x 20 mm 1.732 x 0.787"	44 x 20 mm 1.732 x 0.787"	47 x 23 mm 1.85 x 0.906"
Web Width	50 mm 1.97"	59 mm 2.323"	53,975 mm 2.125"
Pitch	25,4 mm 1"	25,4 mm 1"	25,4 mm 1"
Inlays per Roll	50.000	50.000	12.000
Antenna Material	Aluminium	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM Al	50um PETm 9UM Al	50um PETm 9UM Al
Facesheet Properties	N/a	N/a	40# Thermal Transfer Paper
Adhesive Properties	N/a	N/a	Acrylic Permanent
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
Adhesive Application	N/a	N/a	-4°C 25°F
Adhesive Service Temperature (range)	N/a	N/a	-59 to 93°C -75 to 200°F

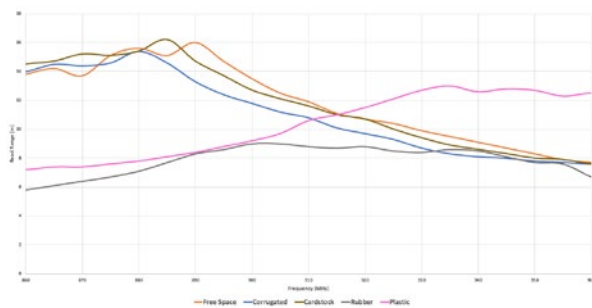


Technical Overview

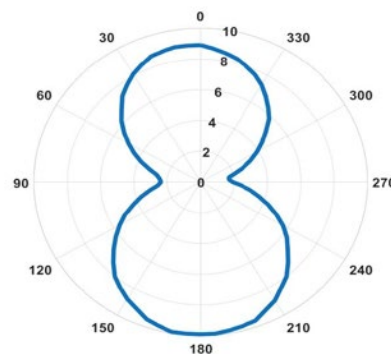
	Dry Inlay, Multi-lane 2 AC	Dry Inlay, Multi-lane 3 AC	Dry Inlay, Multi-lane 6 AC
Product Code	TX4420MM830	TX4420LM830	TX4420KM830
Antenna/Finished Size	44 x 20 mm 1.732 x 0.787"	44 x 20 mm 1.732 x 0.787"	44 x 20 mm 1.732 x 0.787"
Web Width	100 mm 3.937"	150 mm 5.906"	320 mm 26.035"
Pitch	26,035 mm 1.025"	26,035 mm 1.025"	26,035 mm 1.025"
Inlays per Roll	50.000	75.000	150.000
Antenna Material	Aluminium	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM AI	50um PETm 9UM AI	50um PETm 9UM AI
Facesheet Properties	N/a	N/a	N/a
Adhesive Properties	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
Adhesive Application	N/a	N/a	N/a
Adhesive Service Temperature (range)	N/a	N/a	N/a



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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