



Datasheet TX4216-Series BRAVA 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
- Sporting Goods
- Consumer Electronics
- Inventory Management

Industry Segments

- Retail
- (Industrial) Manufacturing
- Supply Chain & Logistics
- Healthcare

Overview

Antenna Size	42 x 16 mm (1.624 x 0.625")
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, O, Q, R, W5, W6, Y2
Inspection	100% Tested
RoHS	EU Directive 211/65/EU and 2015/863 compliant

Technical Overview

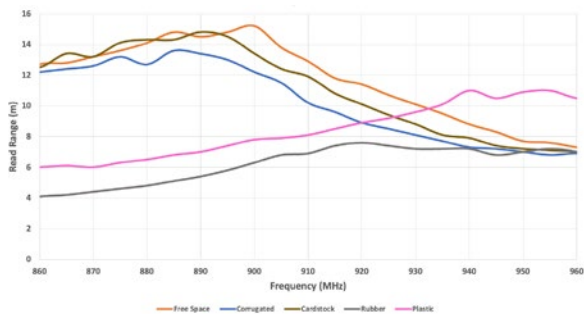
	Dry Inlay	Dry Wide Web	Paper Face	Wet Clear
Product Code	TX4216DM830	TX4216EM830	TX4216BM830-WW	TX4216BM830-WC
Antenna/Finished Size	42 x 16 mm 1.624 x 0.625"	42 x 16 mm 1.654 x 0.625"	45 x 19 mm 1.772 x 0.748"	45 x 19 mm 1.772 x 0.748"
Web Width	50 mm 1.969"	57 mm 2.244"	50,8 mm 2"	50,8 mm 2"
Pitch	22,225 mm 0.875"	22,225 mm 0.875"	22,225 mm 0.875"	22,225 mm 0.875"
Inlays per Roll	55.000	55.000	13.000	13.000
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	40# Thermal Transfer Paper	50um PET
Adhesive Properties	N/a	N/a	Acrylic Permanent	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	-40 to 85°C -40 to 185°F
Adhesive Application	N/a	N/a	-4°C 25°F	-4°C 25°F
Adhesive Service Temperature (range)	N/a	N/a	-59 to 93°C -75 to 200°F	-59 to 93°C -75 to 200°F



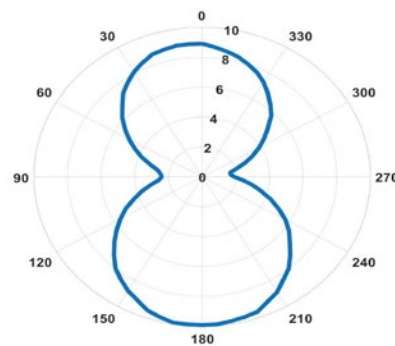
Technical Overview

	Dry Inlay, Multi-lane 2 AC	Dry Inlay, Multi-lane 3 AC	Dry Inlay, Multi-lane 6 AC
Product Code	TX4216PM830	TX4216OM830	TX4216NM830
Antenna/Finished Size	42 x 16 mm 1.624 x 0.625"	42 x 16 mm 1.624 x 0.625"	42 x 16 mm 1.624 x 0.625"
Web Width	96 mm 3.780"	144 mm 5.669"	320 mm 12.598"
Pitch	22,225 mm 0.875"	22,225 mm 0.875"	22,225 mm 0.875"
Inlays per Roll	60.000	60.000	60.000
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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