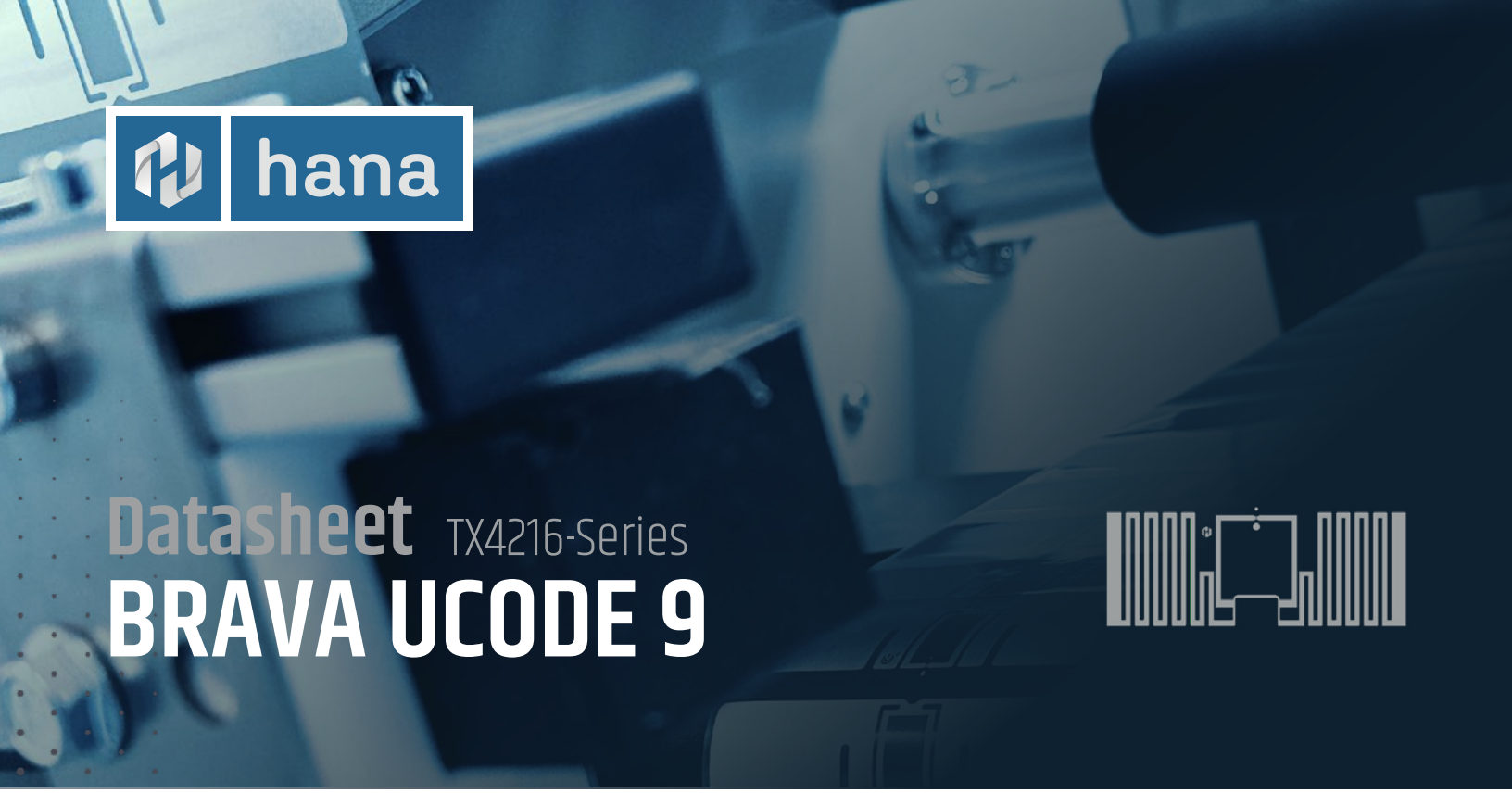


Datasheet TX4216-Series
BRAVA UCODE 9

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
Asset Management
Loss Prevention

Industry Segments

Retail
(Industrial) Manufacturing
Supply Chain & Logistics
Healthcare

Overview

Antenna Size	42 x 16 mm (1.624 x 0.625")
IC	NXP UCODE 9
EPC Memory	96-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

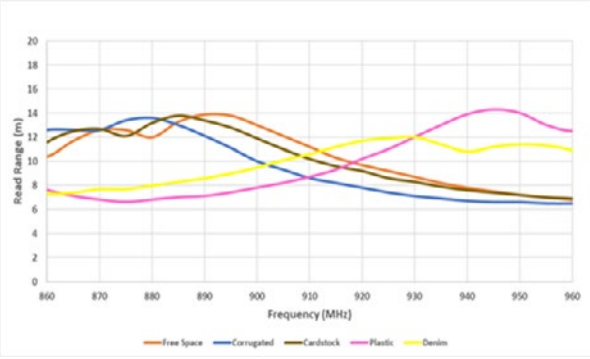
Quality & Certification

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

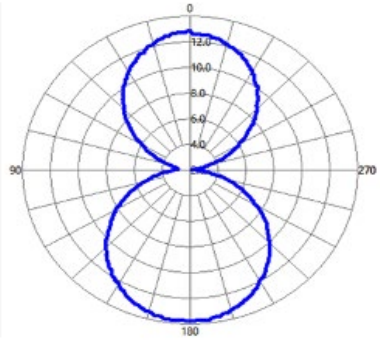
Technical Overview

	Dry Inlay	Dry Wide Web	Paper Face
Product Code	TX4216EU9	TX4216E57U9	TX4216EU9-WW
Antenna/Finished Size	42 x 16 mm	42 x 16 mm	45 x 19 mm
	1.624 x 0.625”	1.654 x 0.625”	1.772 x 0.748”
Web Width	50 mm	57 mm	50,8 mm
	1.969”	2.244”	2”
Pitch	22,225 mm	22,225 mm	22,225 mm
	0.875”	0.875”	0.875”
Inlays per Roll	55.000	55.000	13.000
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 85˚C	-40 to 85˚C
	-40 to 185˚F	-40 to 185˚F	-40 to 185˚F
Adhesive Application	N/a	N/a	-4˚C
			25˚F
Adhesive Service	N/a	N/a	-59 to 93˚C
Temperature (range)			-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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Update 2.2 /260403