



# Datasheet TX4420-Series VALOR 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

- 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	NXP UCODE9
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

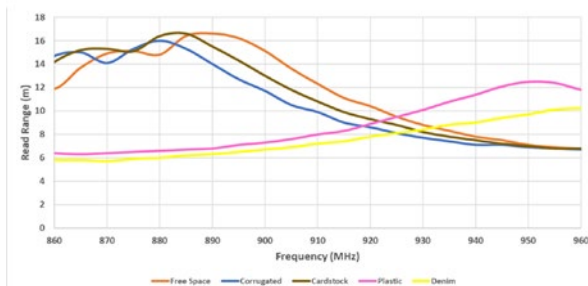
ARC Certified	Yes, Spec F, O, Q, R, W5, W6, Y2
Inspection	100% Tested
RoHS	EU Directive 211/65/EU and 2015/863 compliant

# Technical Overview

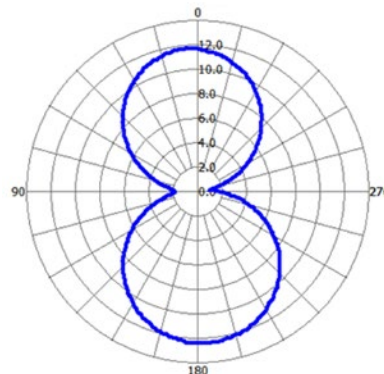
	Dry Inlay	Dry Wide Web	Paper Face
Product Code	TX4420CU9	TX4420DU9	TX4420AU9-WW
Antenna/Finished Size	44 x 20 mm 1,732 x 0,787"	45 x 21 mm 1,732 x 0,787"	47 x 23 mm 1,85 x 0,906"
Web Width	50.0 mm 1,97"	60 mm 2,323"	53.976 mm 2.126"
Pitch	25.5 mm 1"	25.5 mm 1"	25.5 mm 1"
Inlays per Roll	30.000 (Interleaf)	30.000 (Interleaf)	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



## 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.

## Hana RFID

29000 Aurora Rd  
Solon, OH, 44139  
United States

+1 330 405 4600  
sales@hana-rfid.com  
www.hana-rfid.com

