



Datasheet TX5030-Series MODAL 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

- Asset Management
- Product Authentication
- Supply Chain Automation
- Apparel

Industry Segments

- Supply Chain & Logistics
- Retail
- Agriculture & Food Production
- Automotive

Overview

Antenna Size	49 x 30 mm (1.92 x 1.18")
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 18000-63 Type C
Delivery Formats	Dry Inlay, Wide Web, Paper Face

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

Technical Overview

	Dry Inlay	Dry Wide Web	Dry Wide Web
Product Code	TX5030AU9	TX5030A59U9	TX5030A64U9
Antenna/Finished Size	49 x 30 mm 1.92 x 1.18"	49 x 30 mm 1.92 x 1.18"	49 x 30 mm 1.92 x 1.18"
Web Width	53,5 mm 2.106"	59 mm 2.328"	64 mm 2.516"
Pitch	34,925 mm 1.375"	38,1 mm 1.5"	34,925 mm 1.375"
Inlays per Roll	35.000	35.000	35.000
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	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

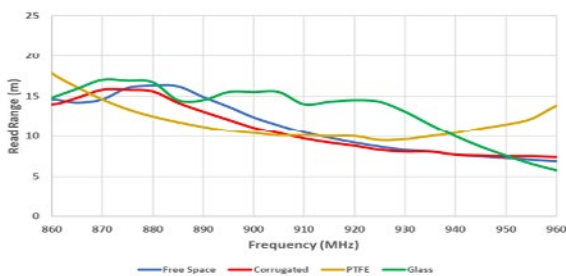


Technical Overview

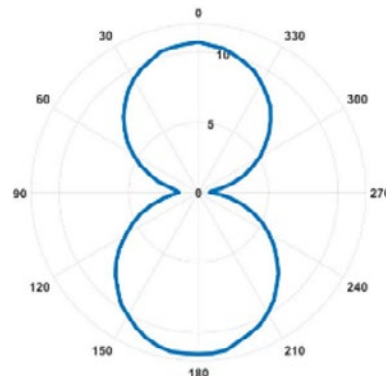
	Paper Face	Paper Face
Product Code	TX5030AU9-WW	TX5030BU9-WW
Antenna/Finished Size	52 x 33 2.047 x 1.297"	52 x 33 2.047 x 1.297"
Web Width	57,15 mm 2.25"	57,15 mm 2.25"
Pitch	34,925 mm 1.375"	34,925 mm 1.375"
Inlays per Roll	8.000	3.000 (Ø 203 mm / 8")
Antenna Material	Aluminium	Aluminium
Inlay Substrate	50um PETm 9UM AI	50um PETm 9UM AI
Facesheet Properties	40# Thermal Transfer Paper	40# Thermal Transfer Paper
Adhesive Properties	Acrylic Permanent	Acrylic Permanent
Operating Temperatures	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F
Adhesive Application	-4°C 25°F	-4°C 25°F
Adhesive Service Temperature (range)	-59 to 93°C -75 to 200°F	-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

