



ID-Sense-Sawblade-A787-S3E

UHF Inlay

IC Speciality

Identiv's ID-Sense-Sawblade-A787-S3E is an advanced RFID inlay tailored for precise temperature measurement in diverse settings, including those within cold chain management. It incorporates Magnus®S3 M3E technology and operates as a high-functioning, passive UHF inlay with RFID sensor capabilities. This inlay stands out for its ability to reliably detect and gauge temperature levels in its immediate environment.

Key Features

- For use in various environments to achieve accurate **temperature** results
- **Maintenance-free** and **battery-free** sensor allows cost-efficient investment
- Wireless transmission of digitized sensing information to off-the-shelf readers, utilizing **specially developed software for temperature sensing**.
- Available as **dry inlay**, **wet inlay**, or **label**

Frequency

- UHF 860 MHz to 960 MHz

Antenna Dimensions

- 94 x 24 mm

Chip

- Axzon Magnus S3 M3E

International Standards

- EPCglobal™ Gen2 (v. 2.0.1)
- ISO/IEC 18000-6C

Industries

- Industrial
- Logistics
- Food and beverage
- Pharma and healthcare

Applications

- Cold chain management
- Supply chain management
- Temperature sensing

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	7001009	7001010	7001011
Manufacturing Part Number	I00XXXAV0240	I00PADAV0240	L15XADAV0240
IC	Axzon Magnus S3 M3E	Axzon Magnus S3 M3E	Axzon Magnus S3 M3E
EPC & User Memory	128 bit	128 bit	128 bit
Antenna Dimension	94 x 24 mm	94 x 24 mm	94 x 24 mm
Tag Dimensions	94 x 24 mm	97 x 27 mm	97 x 27 mm
International Standards	EPCglobal™ Gen2 (v. 2.0.1) ISO/IEC 18000-6C	EPCglobal™ Gen2 (v. 2.0.1) ISO/IEC 18000-6C	EPCglobal™ Gen2 (v. 2.0.1) ISO/IEC 18000-6C
Frequency	Global UHF frequency bands (860 – 960 MHz).	Global UHF frequency bands (860 – 960 MHz).	Global UHF frequency bands (860 – 960 MHz).
Face Material	-	Clear PET	White PET
Thickness	~ 190 µm	~ 275 µm	~ 300 µm
Pitch	30 mm	30 mm	30 mm
Web Width	120 mm	120 mm	120 mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH
Storage Information	2 years under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH

Contact Information: sales@identiv.com

Care and handling: To minimize static charge and environmental impact, it's crucial to adhere to standard industry practices related to electronics and RFID when handling RFID inlays, as they are sensitive to ESD.

Application: To ensure that this product meets specific requirements, customers/users must thoroughly test it under end-use conditions. Identiv does not claim that the product is suitable for any particular purpose or use. Additionally, Identiv retains the right to modify, supplement, change, or discontinue product offerings at any time without prior notice. While the information presented here is believed to be reliable, Identiv does not guarantee the accuracy or correctness of the data.

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Warranty: Please refer to Identiv standard terms and conditions: <https://www.identiv.com/terms-and-conditions>

