

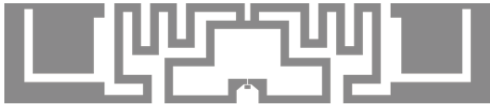
# SML MAZE\_U7 RFID Inlay

## SML RFID Product Spec Sheet

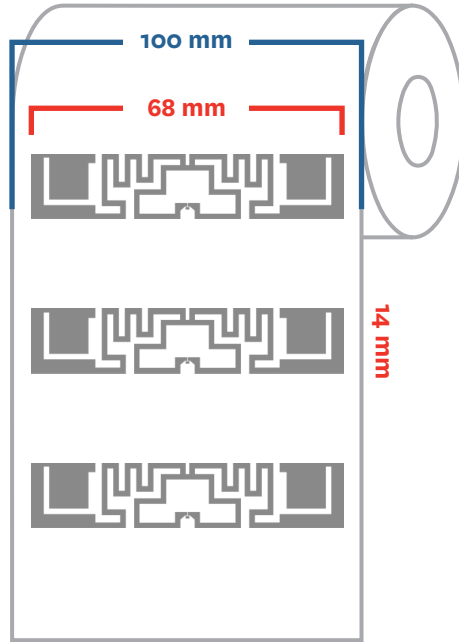
**SML**

**Antenna Size:** 68 X 14 mm  
[2.75 X 0.50 in]

**Web Width:** 100 mm [3.94 in]



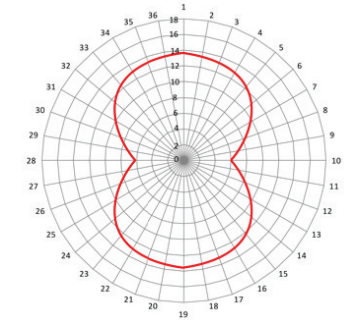
**ARC APPROVED**  
(Auburn University)



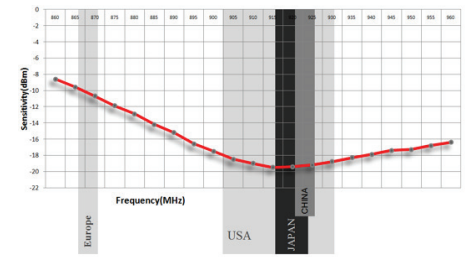
■ Web Width  
■ Antenna Size

### RF Sensitivity Performance:

Orientation Read Range (m)



Sensitivity Results from Free Space (dBm)



### Market Applications:

- ◆ Item / asset tracking, including: denim, poly bags, apparel tags and boxed items

### Key Benefits:

- ◆ Compact size to fit for 3 inch label or hangtags
- ◆ Broad frequency bandwidth enabled global utilization
- ◆ High performance over wide range of retail and supply chain applications

For further inquiries, please contact SML RFID Team at:

[info@sml-rfid.com](mailto:info@sml-rfid.com)

Attributes	SML MAZE_U7 RFID Inlay
Antenna Size	68 X 14 mm [2.75 X 0.50 in]
Web Width	100 mm [3.94 in]
Integrated Circuit (IC) Type	NXP UCODE7
Operating Frequency	860 – 960MHz
RF Communications Protocol	EPC Global Class 1 Gen2 and ISO/IEC 18000-6C
ARC Approved Spec	Spec A, B, C, D, F, G, K, N, Q
Chip Memory	128 bits EPC
Inlay Substrate Material	PET
Features	Worldwide Frequency, Parallel Encoding, Privacy Control
Read Sensitivity	-21 dBm
Write Sensitivity	-16 dBm
Operating Temperature	-5 °C to 60 °C / 23 °F to 140 °F
Operating Humidity	20% - 60% RH