

SML MAZE_R6 RFID Inlay

SML RFID Product Spec Sheet

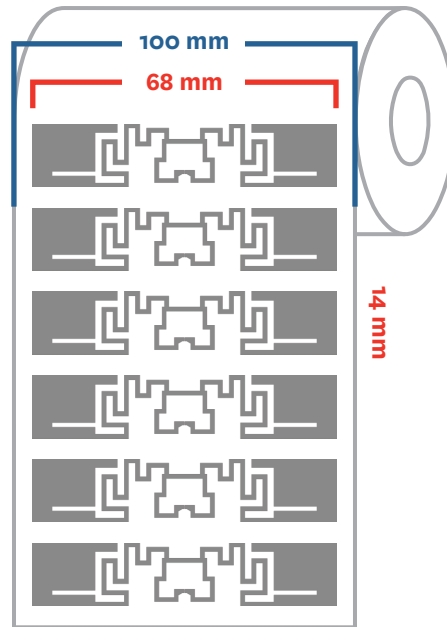
SML

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

Web Width: 100 mm [3.94 in]



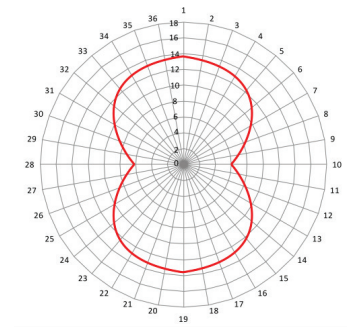
ARC APPROVED
(Auburn University)



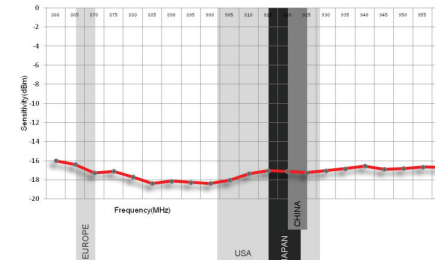
■ Web Width
■ Antenna Size

RF Sensitivity Performance:

Orientation Read Range (m)



Sensitivity Results from Free Space (dBm)



Market Applications:

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

Key Benefits:

- ◆ Enhanced antenna design with improved forward and reverse link performance. This results in a greater overall read range across wider angles of orientation and improved performance in dense tag populations.
- ◆ Dynamic tuning. This means that the inlay is capable of instantaneously optimizing its read/write performance on different materials and tagged items.

Attributes	SML MAZE_R6 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	Impinj Monza R6
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, M, F, G, I, K, N, Q
Chip Memory	96 bits EPC
Inlay Substrate Material	PET
Features	Worldwide Frequency, Orientation Agnostic, Autotune™ technology
Read Sensitivity	-20.0 dBm
Write Sensitivity	-16.7 dBm
Operating Temperature	-5 °C to 60 °C / 23 °F to 140 °F
Operating Humidity	20% ~ 60% RH

For further inquiries, please contact SML RFID Team at:

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