

# SML GB1uM5 RFID Inlay

## SML RFID Product Spec Sheet

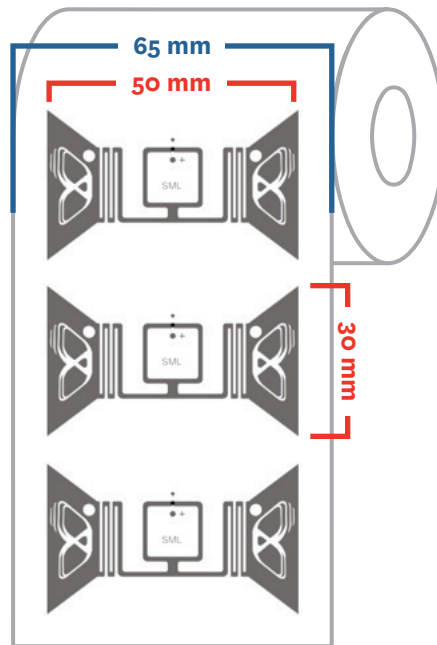
# SML

**Antenna Size:** 50 X 30 mm  
[1.97 X 1.28 in]

**Web width:** 65 mm [2.56 in]



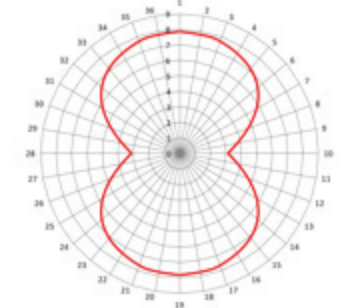
ARC APPROVED  
(Auburn University)



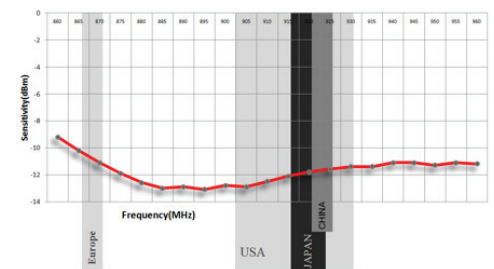
■ Web Width  
■ Antenna Size

### 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:

- ◆ High read sensitivity, enabling long read ranges
- ◆ Fast encoding speed – over 3,000 tags/minute
- ◆ FastID and TagFocus improves read rate and reliability

Attributes	SML GB1uM5 RFID Inlay
Antenna Size	50 X 30 mm [1.97 X 1.28 in]
Web Width	65 mm [2.56 in]
Integrated Circuit (IC) Type	Impinj M5
Operating Frequency	860 – 960MHz
RF Communications Protocol	EPC Global Class 1 Gen2 and ISO/IEC 18000-6C
ARC Approved Spec	Spec A, B, D, M, G, F
Chip Memory	128 bits EPC
Inlay Substrate Material	PET
Features	Bulk Encoding
Read Sensitivity	-20 dBm
Write Sensitivity	-16 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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