

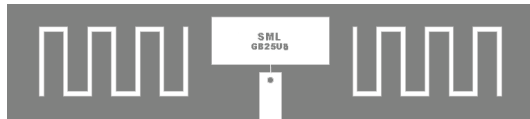
# SML GB25U8 RFID Inlay

## SML RFID Product Spec Sheet

# SML

**Antenna Size:** 70 X 15 mm  
[2.76 X 0.59 in]

**Paperface - Wet:** 74 X 19 mm  
[2.91 X 0.75 in]



**ARC APPROVED**  
(Auburn University)

### Market Applications:

- ◆ Item/asset tracking, including: denim, poly bags, apparel tags and boxed items.
- ◆ Inventory control, supply chain management

### Key Benefits:

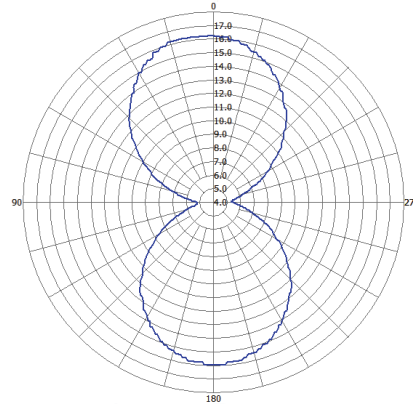
- ◆ Excellent Performance
- ◆ Global Frequency Coverage
- ◆ Robust Performance on Densely-Packed Items
- ◆ Performs Well on High Dielectric Materials

For further inquiries, please contact SML RFID Team at:

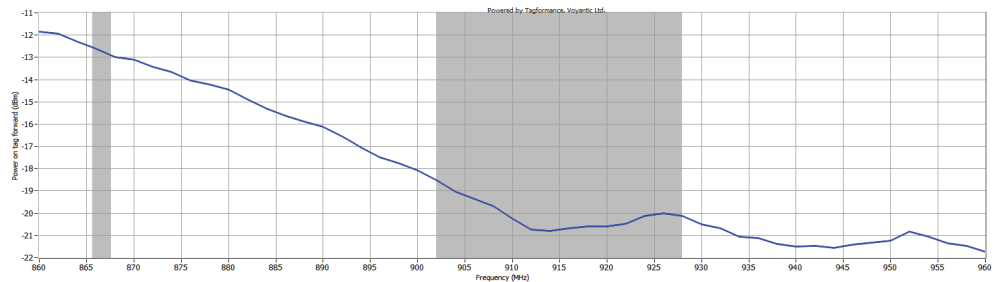
[info@sml-rfid.com](mailto:info@sml-rfid.com)

### RF Sensitivity Performance:

Orientation Read Range (m)



Sensitivity Results from Free Space (dBm)



Attributes	SML GB25U8 RFID Inlay
Antenna Size	70 X 15 mm [2.76 X 0.59 in]
Integrated Circuit (IC) Type	NXP UCODE8
Operating Frequency	860 – 960MHz
RF Communications Protocol	ISO/IEC 18000-63 and EPC Global Class 1 Gen2
ARC Approved Spec	A, B, C, D, G, F, I, K, L, M, N, Q, W1, W2, W3, W4, W5, W6
Chip Memory	128 bits EPC
Inlay Substrate Material	PET
Features	Auto Adjust Technology, Brand Identifier, Pre-serialized 96bit EPC, Broad Bandwidth Antenna
Read Sensitivity	-23 dBm
Write Sensitivity	-18 dBm
Operating Temperature	-5 °C to 60 °C / 23 °F to 140 °F
Operating Humidity	20% ~ 60% RH