



# GB3U8 RFID Inlay Product Spec Sheet



Powering Brands of Tomorrow™

## Applications

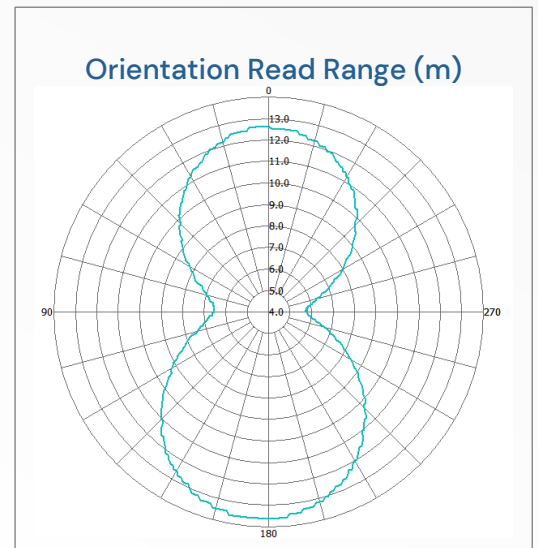
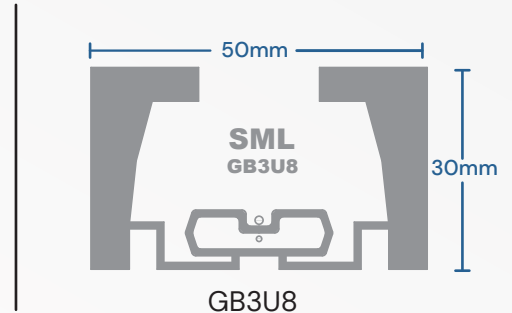
Apparel - Baggage - Denim - Footwear - Logistics - Polybags  
Retail

## Key Benefits

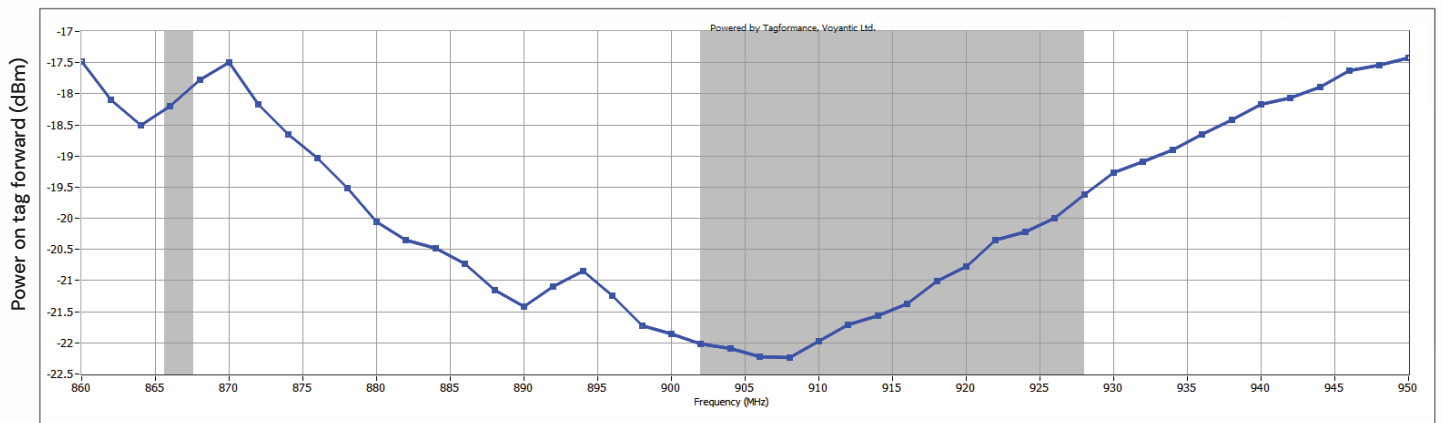
- ✓ Pre-Serialization of 96 bit EPC
- ✓ Excellent Performance
- ✓ Compact Antenna Size
- ✓ Robust Performance on Variety of Materials
- ✓ 3D Orientation Design

## Technical Features

|                              |   |
|------------------------------|---|
| Antenna Size / Web Width     | 50 X 30 mm [1.97 X 1.18 in] / 65 mm [2.56 in]                                       |
| Integrated Circuit (IC) Type | Impinj Monza R6   |
| Operating Frequency          | 860 - 960MHz  |
| RF Communications Protocol   | ISO/IEC 18000-63 and EPC Global Class 1 Gen2  |
| ARC Approved Spec            | F, I, K, M, N, Q, G, L, W1, W2, W3, W4, W5, W6                                      |
| Chip Memory                  | 128 bits EPC  |
| Inlay Substrate Material     | PET   |
| IC Features                  | Auto Adjust Technology, Brand Identifier, Pre-serialized 96bit EPC, Broad Bandwidth |
| 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  |



Sensitivity Results from Free Space (dBm)



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