



GB3HEC RFID Inlay

Product Spec Sheet



Powering Brands of Tomorrow™

Applications

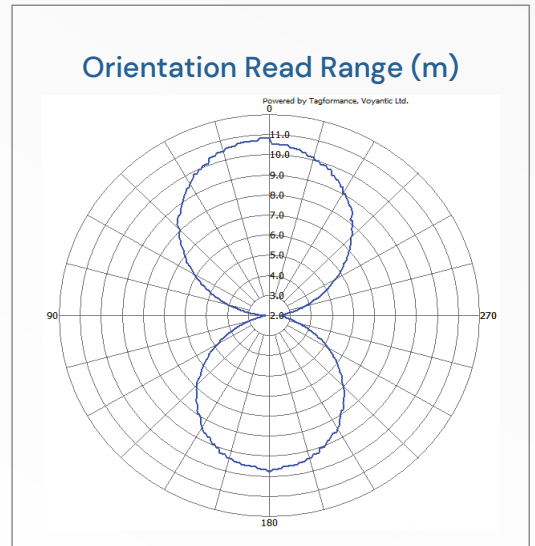
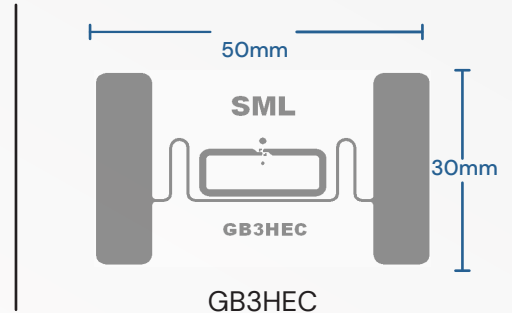
Apparel - Baggage - Denim - Footwear - Logistics - Polybags
Retail

Key Benefits

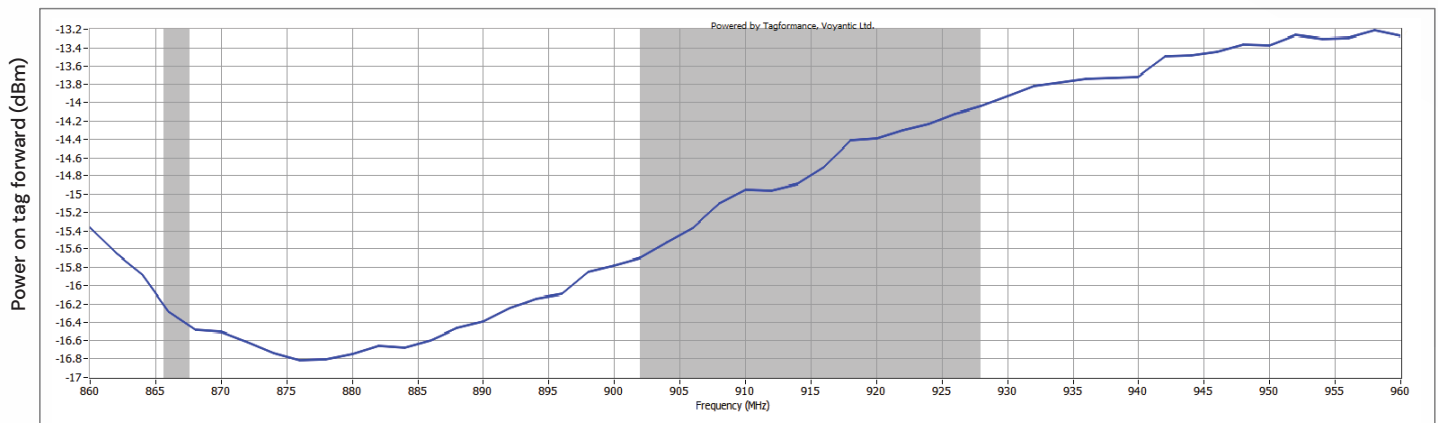
- ✓ Pre-Serialization of 96 bit EPC
- ✓ Excellent Performance
- ✓ Compact Antenna Size
- ✓ Robust Performance on Variety of Materials
- ✓ 3D Orientation Design

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	Alien Higgs EC
Operating Frequency	860 - 960MHz
RF Communications Protocol	ISO/IEC 18000-63 and EPC Global Class 1 Gen2
ARC Approved Spec	F, G, I, K, Q
Chip Memory	128 bits EPC + 128 bits User Memory
Inlay Substrate Material	PET
IC Features	Sentinel Memory, Dynamic Authentication, Error Correction
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)



For more information, please contact us at sml.com/requestinfo.



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