



MR5U9 RFID Inlay Product Spec Sheet



Powering Brands of Tomorrow™

Applications

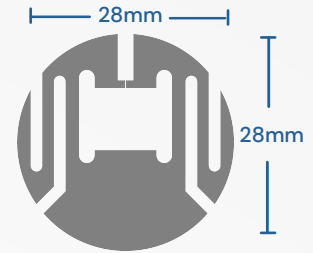
Apparel - Accessories - Ceramics - Cosmetics - Footwear
Glassware - Rubber - Inventory Control - Supply Chain Management

Key Benefits

- ✓ Pre-Serialization of 96 bit EPC
- ✓ Excellent Performance
- ✓ Compact Antenna Size
- ✓ Robust Performance on Variety of Materials
- ✓ Global Frequency Coverage

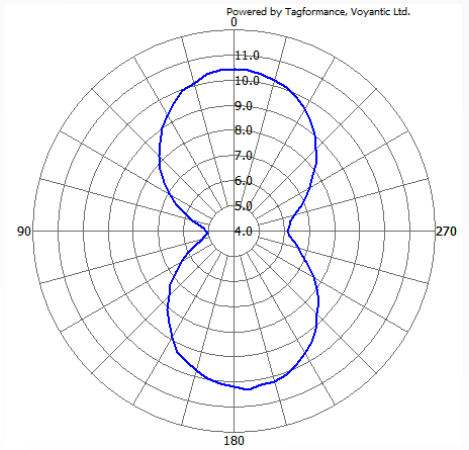
Technical Features

| | |
|------------------------------|---|
| Antenna Size / Web Width | 28 mm diameter [1.10 in diameter] / 40 mm [1.6 in] |
| Integrated Circuit (IC) Type | NXP UCODE 9 |
| Operating Frequency | 860 - 960MHz |
| RF Communications Protocol | ISO/IEC 18000-63 and EPC Global Class 1 Gen2 |
| ARC Approved Spec | Pending |
| Chip Memory | 96 bits EPC |
| Inlay Substrate Material | PET |
| IC Features | Auto Adjust Technology, Brand Identifier, Pre-serialized 96bit EPC, Broad Bandwidth |
| Read Sensitivity | -24 dBm |
| Write Sensitivity | -22 dBm |
| Operating Temperature | -5°C to 60°C / 23°F to 140°F |
| Operating Humidity | 20% - 60% RH |

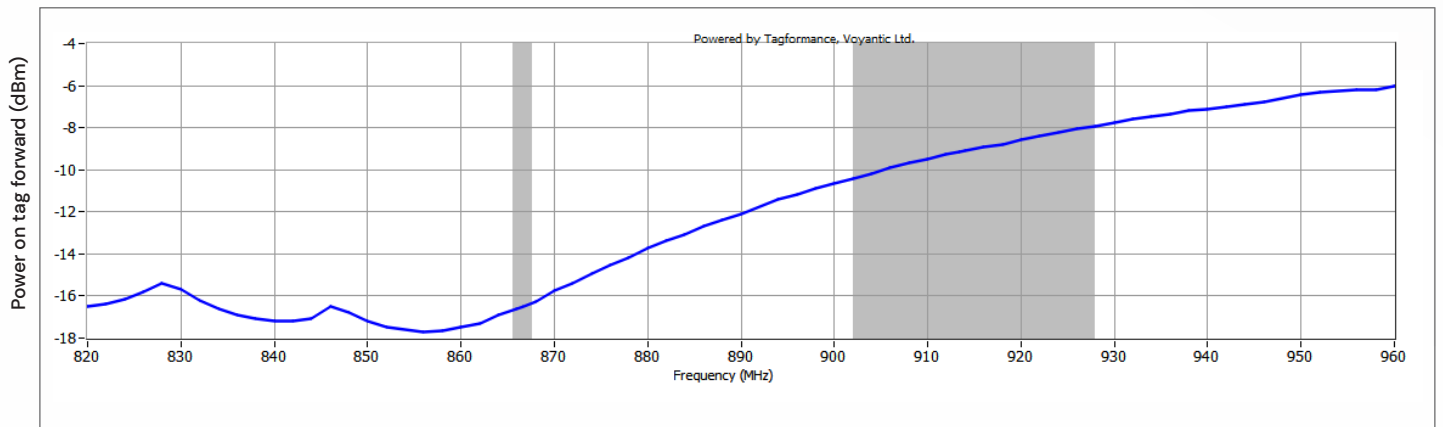


MR5U9

Orientation Read Range on Ceramic (m)



Sensitivity Results on Ceramic (dBm)



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



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