

Rock-112

PID Rock tags are tailored as UHF Gen2 Long-range passive tags peculiarly intended to function when affixed to metal objects. They are lucid to implement on any sort of metal surface as they can be tacked through rivets, adhesives, and magnets. They are ideal for assets that are subject to severe conditions such as vibration, shock, chemical exposure, and fluctuating temperatures. They are extensively deployed in factories, warehouses, and automobiles to accomplish their requirements of managing inventory. They offer a prolonged reading range which makes them competent for disparate application areas.



Applications



Warehouse Management



Retail Management



Asset Tracking

Ordering Information

| Part Number | Item Details |
|--------------------|-------------------------------|
| RFAB-050308-Global | On-Metal Tag tag with R6P IC |
| RFAB-330208-Global | On-Metal Tag tag with M730 IC |



Electrical Specifications

| | |
|-----------------------|---|
| Operational Frequency | FCC: 902-928MHz ETSI: 865- 868 MHz |
| Interface Protocol | ISO 18000-63 and EPCglobal Gen2v2 |
| Chip Type* | IMPINJ MONZA R6P |
| Memory Configuration | EPC Memory – 128 bits /96 bits USER Memory – 0 / 32 bits |
| Data Retention | 50 Years |
| Write Cycle Endurance | 100,000 cycles |
| Read Range** | Upto 14 meter |

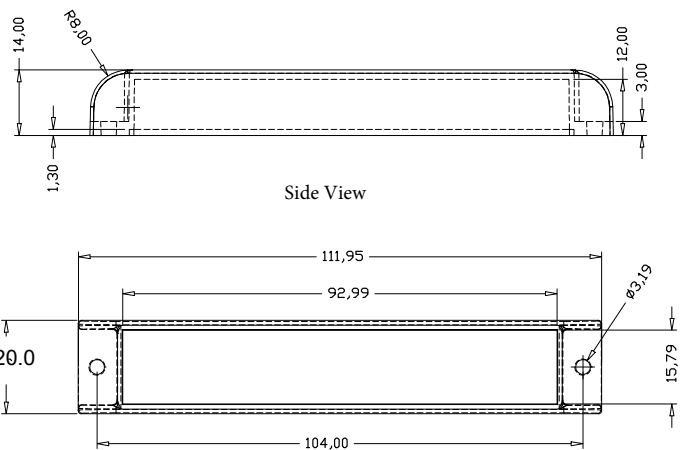
Product Characteristics

| | |
|------------|---|
| Tag Size | 112 x 20 x 14 mm /4.33 x 0.98 x 0.49 in |
| Yield | 100 % |
| Material | ABS |
| Packaging | 100 Tags / Packet |
| Attachment | Screw , Riveting |

Environmental Specifications

| | |
|-----------------------|---------------|
| Operating Temperature | -40 to +85 °C |
| Storage Temperature | -40 to +85°C |
| IP Rating | IP67 |

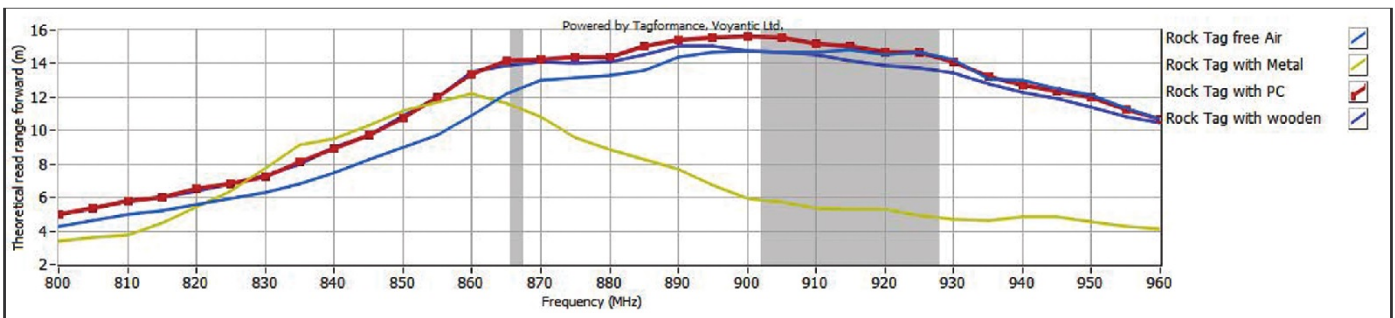
Product Drawing



Personalization

- Customer specific encoding of EPC
- Customised printing of logo, text, barcode etc

READ RANGE GRAPH



PID ROCK 112 - RF performance(R6P)

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.