

DATASHEET

Beer Keg Tag

Tag Code: L161171

Beer Keg Tag is used in beer keg management systems to track the location of each beer keg and collect information regarding usage and transport enabling better control and visibility. Omnia's beer keg tags operate effectively in metallic environment.



Electrical Specification

| | |
|-------------------------|---|
| Air Interface Protocol | ISO/IEC 11784/85, Read Only Mode |
| Operational Frequency** | 125kHz (134.2kHz on request) |
| Chip** | EM4200 |
| | 128 bit laser programmed ROM (64 & 96 bit option available) |
| | Several options of data rate and data encoding |
| | <ul style="list-style-type: none"> ❖ Manchester 32 & 64 RF clock per bit ❖ Biphasic 32 & 64 RF clock per bit ❖ PSK 16 RF clock per bit ❖ FSK 50RF clock per bit |

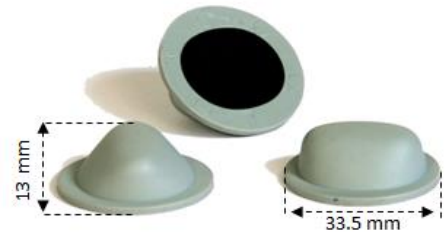
Physical / Mechanical Specification

| | |
|-------------------|----------------------------|
| Dimension | Ø33.5±0.2mm |
| Thickness | 13 ± 0.2mm |
| Weight | 6.30 gm |
| Colour | Grey |
| Encasement | PC/ABS High Impact & Epoxy |
| Quality Assurance | 100% reader tested |

Environmental Resistance

| | |
|---------------------------|--------------------------------------|
| Operating temperature | -40°C to +80°C |
| Storage temperature | -40°C to +80°C |
| Ingress protection rating | IP67 |
| Attachment*** | Adhesive/Metal Ring Welding |
| Expected Lifetime | Years in normal operating conditions |

Dimensions



Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

Additionally, abrasion resistant against HCL, MEK and IPA

Additional Services

| | |
|------------------|---------------------------------|
| Pre-encoding | On request |
| Customization*** | Logo / text printing on request |

* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

*** Available as an option at extra cost

Order Information

| Part No. | Description |
|----------|---------------------------------|
| L161171 | With EM 4200 tuned at 125kHz |
| L161131 | With EM 4305 tuned at 125kHz |
| L161055 | With HitagS 256 tuned at 125kHz |

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