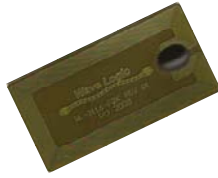


Wave Logic



PATENT PENDING



STERILE ID™ RFID Tag
Passive HF 13.56MHz ISO 15693
2k-Bytes Memory



Wave Logic introduces our latest RFID solution for Bio-Med tracking with the release of the *Sterile ID™* transponder tag.

Designed to survive gamma sterilization, autoclave sterilization, E-beam sterilization and EtO sterilization processes for bio-medical and pharmaceutical applications.

- ISO 15693 Compliant
- 13.56MHz ISM band HF Transceiver front end
- 2k-Byte FRAM Memory
- 10B Write Cycle Endurance
- Unlimited Read Cycles
- RoHS Compliant
- Completely Passive (no batteries)
- Flexible Construction
- 3M 9471LE Adhesive Backing
- Wide Temperature Range
- Sterilization Stable for
 - Gamma
 - Autoclave
 - E-beam
 - EtO



STERILE ID™

ISO 15693 Sterilize-able 2k-Byte RFID Tag

Target Process Applications:

- Surgical Supplies
- Laboratory Devices
- Medical Devices
- Pharmaceutical Components

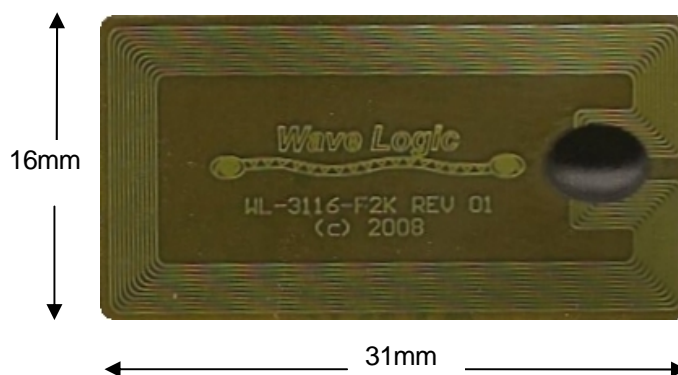
Wave Logic



Specifications

<p>Transponder RF Protocol:</p> <ul style="list-style-type: none">• ISO 15693 <p>RF Data Rates:</p> <ul style="list-style-type: none">• 26.48kbs <p>Memory:</p> <ul style="list-style-type: none">• 8-Byte UID (unique ID)• 2k-Bytes FRAM Memory• 10B Write Cycles• Unlimited Read Cycles• 10-year+ Data Retention	<p>RF Read/Write Distance:</p> <ul style="list-style-type: none">• 30mm with TW18 Reader• 50mm with TW30 Reader• 75mm with TW40 Reader• 100mm with TW100 Reader <p>Temperature:</p> <ul style="list-style-type: none">• Operating: -40C to +85C• Storage: -40C to +130C <p>Compliance:</p> <ul style="list-style-type: none">• RoHS• ISO 15693	<p>Sterilization Process Ratings:</p> <ul style="list-style-type: none">• Gamma = 50kGy• Vacuum Autoclave = 10 cycles *• Gravity Autoclave = 100 cycles *• E-beam = 10 Cycles• EtO = 1,000 cycles <p>Construction:</p> <ul style="list-style-type: none">• Polyimide Substrate• Copper Etched Coil• Epoxy Encapsulant• Dimensions: 31mm x 16mm x 0.20mm (1mm @ IC location) <p>Delivery Form:</p> <ul style="list-style-type: none">• Individually• 5x3 (15) sheet arrays <p>(*) 130C Max. Temp</p>
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STERILE ID™ Dimensions



Overall Thickness is less than 0.20mm
Maximum Height at IC location is 1mm