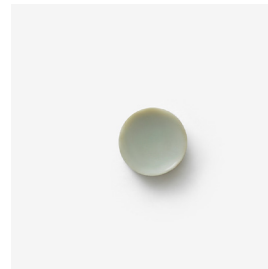# SYRMA

# Miniature AUTO-CLAVE TAGS

## FEATURES

- 13.56 MHz
- Read/Write Tags
- ISO 15693 standards compliant
- Available in 2 different sizes (5mm and 7mm)
- Auto-clave Sterilizable
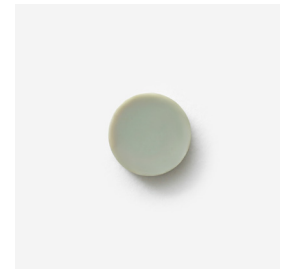- Bio-Compatible/FDA Compliant

## APPLICATIONS

- Medical Assets Tracking
- High Temperature Applications
- Miniature Tag Applications

RoHS compliant



5 mm



7 mm

| FUNCTIONAL SPECIFICATIONS: | |
|---|---|
| Operating Frequency | 13.56 MHz (+0.5/-0.2 MHz) |
| ISO Standard Compliance | ISO 15693<br>Icode SLI / SLIX - 1024 bits, R/W<br>Icode SLI-L / SLIX-L - 256 bits, R/W |
| Memory Type | Tag It - 256 bits, R/W (for 7 mm Tag only) |

| PHYSICAL SPECIFICATIONS: | |
|---|---|
| Standard sizes – Dia x Height (in mm) | 7.5 max x 1.75 max / 5 max x 1.75 max |
| Material | Epoxy |
| Color | Grey / Black |

| ENVIRONMENTAL SPECIFICATIONS: | |
|---|---|
| Operating Temperature (°C) | -10 to +60 Continuous / +150 for 2 Hrs |
| Storage Temperature (°C) | -30 to +85 |
| Auto-clave Cycles | 100+ |
| Mechanical Vibrations | 10g, 20-1000 Hz, 3 axis, 10 cycles/axis |
| Mechanical Shock | 15g, half-sine, 18ms, 3 axis, 6 times/axis |
| Hermetic Sealing | IP68 |

– Tags with other ICs from NXP, EM, Infenion, Atmel, ST Micro, TI, Legic or other semiconductor manufacturers are also available as per customer requirements
– Other sizes, materials or colors can be made available on request
– Ask for our special HIGH Temperature Tags that work at 150/180/200 deg C continuous operation