



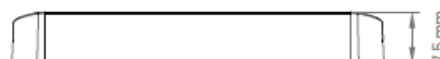
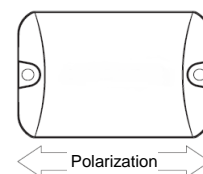
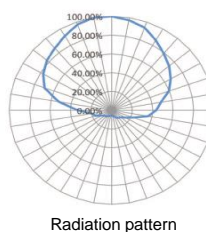
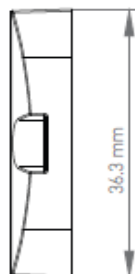
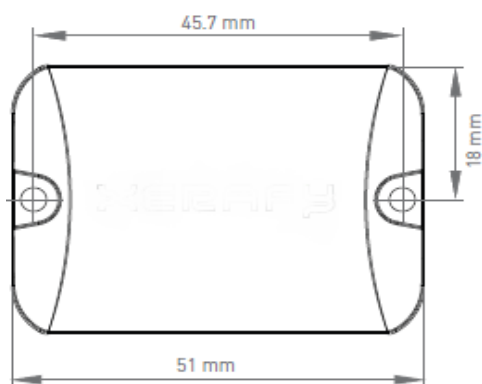
RF MIC2 AC Tag (Healthcare Version)



Product Description	RF MIC2 AC Tag
Electrical Characteristics	
Operating Frequency	UHF 902-928 MHz (US); 866-868 MHz (EU)
Chip type	Alien Higgs-3
RFID Standards	EPCGlobal Class1Gen 2; ISO18000-6C
Read range	Depending on read/write performance of the RFID Reader up to 33 ft (10 m)
Memory configuration	96-EPC bits; 512-bit user memory
Memory – expected read / write cycles	100,000 cycles at 77°F (25°C)
Polarization	Linear
Application temperature (MIL STD 810-F)	from -67°F to +302°F (-55°C to +150°C)
Operational temperature (MIL STD 810-F)	from -40°F to +185°F (-40°C to +85°C)
Data preservation	Up to 50 years *
Packaging Protection Class	IP69K
Compression strength	181 psi (1250 kPa)
FDA class	Class I
Read rate	400 tags per second for 96-EPC bit number
RoHs Compliance	YES
Material specifications	Engineering-grade nylon polymer
Mounting surface	Metal

Physical Characteristics

Dimensions: 51 x 36.3 x 7.5mm / 2.01 x 1.43 x 0.30 in



Article no:	RF MIC2 AC Tag
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Typical Applications

Healthcare & hospital	sample identification
Autoclave cleaning	identification and back tracing
bio/chemistry/forensic/pharmacy/environment	process control, QS & monitoring



Contact:

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RF MIC2 AC Tag	
Cleaning and Disinfection Process (ANSI/AAMI ST79)	
<p>Chemical sterilization for decontamination Liquid chemical sterilants include glutaraldehyde, hydrogen peroxide, hydrogen peroxide-peracetic acid combinations, sodium hypochlorite, and peracetic acid. Pass</p> <p>Thermal (hot water) disinfection</p> <ul style="list-style-type: none"> • Washer-sanitizers, washer-decontaminators, utensil washers, and cart washers reduce microbial contamination by means of cleaning agents, hot water, rinsing, and drying. • Pasteurization equipment provides cleaning and high-level disinfection at water temperatures of 65°C to 77°C (150°F to 170°F) for a contact time of at least 30 minutes. • Washer-disinfectors provide a cycle of cleaning, rinsing, disinfection, and drying at temperatures that are usually higher than those of washer-sanitizers. Pass <p>Thermal sterilization for decontamination Saturated steam can be used to decontaminate devices capable of withstanding high temperatures (121°C to 135°C [250°F to 275°F]) and pressures (16 to 35 psig). Washer-sterilizers provide cleaning and rinsing followed by exposure to saturated steam at temperatures of 121°C to 135°C (250°F to 275°F). Pass</p> <p>Ultrasonic cleaner 30 KHz for 30 min Pass</p> <p>Dry heat sterilization 160°C for 2h, or 170°C for 1h, or 180°C for 30min Pass</p> <p>Disinfection by light C wave ultraviolet and wavelength range is from 200nm to 275nm Pass</p> <p>Detergent enzyme cleaner Pass</p> <p>Autoclave sterilization 121°C and 115Kpa for 1000 cycles Pass</p>	



Typical application on tool basket:

Step1: The tag will be fixed with metal bracket,

- Screws (Rivet hole, M3)
- Pop rivets (3mm)

Step2: The tag with bracket can be attached in several methods:

- Screws (Rivet hole, M3)
- Pop rivets (3mm)
- Welding



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