

SA-HMT-001/002

ARIES UHF RFID Tag

High Performance Headlight RFID Tag for Vehicle Identification Applications

FEATURES

- 860 – 960 Mhz
- Great Read Performance
- Long read range
- Non transferrable/ Non removable
- Alien H3 Chip
- Tuned for Headlight
- EPC C1/G2
- ISO 18000 6C



With its high performance and high security features, the **ARIES Headlight Tag** delivers superior read and write performance. It is designed and tuned for use on the glass windscreen of the vehicles.

Whether applied inside or outside, the **ARIES Headlight Tag** is constructed to provide reliable reading for years, even in extreme weather and driving environments. Designed as a vehicle Tag from the ground up, only material graded for outdoor and automotive application is used in the manufacturing of the **ARIES Headlamp Tag**.

The **ARIES Headlight Tag** utilizes a H3 IC chip that has a flexible memory architecture and provides for the optimum allocation of EPC and User memory. It is ideal for use in high performance/ security applications such as Electronic Toll Collection (ETC) e-Tolling, Electronic Vehicle Registration (EVR), Secure Parking and Access.

The **ARIES Headlight Tag** is available with optional features such as non removable, non transferrable feature, IR and UV Light Protection Filter, Custom Press or Variable Printing and IC Chip Pre-

Physical Specifications :

Width	19.4366 mm
Length	100.869 mm
Pitch	28.575 mm
Inlay Substrate	Special PET (Non-shrink)
Antenna Material	Silver Conductive Ink
Adhesive	Clear
Core Size	3" x 110 mm
Quantity/roll	2,500 pcs.
Release Liner Material	Clear
Perforated Release Liner	Optional
Printing on Release Liner	Optional



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SPECIFICATIONS :

ISO 18000-6C
 860 – 960 Mhz
 Read/Write Functions
 Data Transfer Rate up to 640 kps

MEMORY SIZE :

Alien HIGGS 3 chip
 On chip memory 800 bits
 Unique TID 64 bits
 Tag Identifier 64 bits
 Access Password 32 bits
 Kill Password 32 bits
 EEPROM Write Endurance :
 100,000 cycles at 25 C



Address :
 Unit A01, 24/F Gold King Industrial
 Building, 35-41 Tai Lin Pai Road,
 Kwai Chung, HK SAR
 Phone +852 3691 9925

For more information on any of
 our products or services please
 visit us on the Web at:
www.star-int.net

Environmental Specifications :

ESD – HBM/CDM	+/- 3kV
Operating Temperature (Installed)	-50°C to +85°C (-58°F to 185°F)
Relative Humidity (RH) (Installed)	100% condensing humidity
*Storage Temperature	-40°C to + 100°C (-40°F to 212°F)
Recommended Shelf Life	Less than or equal to 12 Months



Product	Part Number	Description
	SA-HMT-001	Clear UHF Headlamp/Bumper Mount Tag - Break On Removal (BOR) - 1 Piece with H3 Chip - UV Protection - 1 year warranty
	SA-HMT-002	Clear UHF Headlamp/Bumper Mount Tag - Break On Removal (BOR) - 2 Piece with H3 Chip - UV Protection - 1 year warranty

This product is available in exclusively through:

Infinity **RFID**, Inc.

18017 Chatsworth Street #127
 Granada Hills, CA 91344
www.infinityRFIDinc.com