

# AD-714



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**Antenna Size:**  
1.77 x 3 in  
[45 x 76.2 mm]

## Features:

- Ideal for asset management in library and media management applications
- ISO 15693 and ISO 18000-3 Mode 1 compliance for Interoperability
- No Line-of-sight or contact required to read and write
- Built in security features
- Longer read ranges achieved by the larger antenna
- Available in high yield / high capacity rolls which integrate seamlessly into high-volume converting processes

**Market Applications:** Media Management

## Electrical Characteristics

Operating Frequency	13.56MHz
Integrated Circuit [IC] – Manufacturer & IC Name	NXP ICODE SLI
RF Communications Protocol	ISO 15693 and IAO 18000-3 Mode 1
Memory	896 Bits EEPROM Read/Write User Memory

## Environmental

Operating Temperature	-40F to 185F [-40C to 85C]
RoHS	Designed to comply with EU Directive 2002/95/EC

## Inlay Roll Format / Finishing

Un-wind direction	inlay / label side out
Core size with adaptor insert	3 in [76.2 mm]
Maximum roll outer diameter [not to exceed]	13 inches [33 cm]

## Part Details for AD-714 (Total 2 Parts)

<b>Part Number</b>	<b>700007</b>
Chip	NXP ICODE SLI
Antenna dimensions, [CDxMD]	1.77 x 3 inches [45 x 76.2 mm]
Die-cut dimensions	N/A
Inlay-to-liner adhesive	N/A
Liner material	N/A
Total thickness over chip [typical]	TBD
Standard pitch	3.375 inches [85.73 mm]
Standard web widths	2.125 inches [54 mm]
Inlay substrate material	PET
Quality assurance	100% tested and out of tolerance inlay marked

Average number of units per roll	5000
Rev	01
<b>Part Number</b>	<b>700008</b>
Chip	NXP ICODE SLI
Antenna dimensions, [CDxMD]	1.77 x 3 inches [45 x 76.2 mm]
Die-cut dimensions	2 x 3.189 inches [50.8 x 81 mm]
Inlay-to-liner adhesive	S490 emulsion acrylic (Fasson®)
Liner material	40#SCK (Fasson®)
Total thickness over chip [typical]	TBD
Standard pitch	3.375 inches [85.73 mm]
Standard web widths	2.125 inches [54 mm]
Inlay substrate material	PET
Quality assurance	100% tested good prior to shipment
Average number of units per roll	2500
Rev	01

**CARE AND HANDLING** RFID inlays are sensitive to ESD. Observe standard practices to keep environment static charge to a minimum.

**APPLICATIONS** This product should be tested by the customer/user thoroughly under end use conditions to ensure the product is fit for any particular purpose or use.

**WARRANTY** Please refer to Avery Dennison RFID standard terms and conditions. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

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