

Ario™ 370-S SDM, SM and DM HF Tags



TAGSYS rugged high frequency (HF) Ario™ tags are specifically designed for industrial applications that require RFID tags that can withstand harsh environmental conditions. The Ario SDM, SM, and DM tags are all available as cingulated modules.

INDUSTRY'S MOST RUGGEDIZED TAGS

The Ario product line is designed to withstand stringent environmental conditions. They are robust enough to be embedded, encapsulated, injected into, or affixed directly onto products that are subjected to extreme processes.

SMALL SIZE - HIGH PERFORMANCE

Utilizing a patented antenna manufacturing process, the Ario product line encompasses some of the smallest size tags available for item-level track and trace applications.

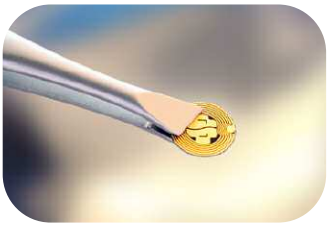
ARIO SDM, SM & DM TAGS FEATURES SUMMARY

- Small, high-performing tags
- Cingulated module tags ideal for encapsulation, plastic injection molding or asset tracking in disk format

TAGSYS provides complete, reliable, high performance RFID infrastructure systems for item-level tracking in a variety of industries.

Our unique RFID expertise, combined with a true understanding of RFID business processes, makes us the ideal RFID partner to ease and ensure the success of your project.

More information on TAGSYS can be found at www.tagsysrfid.com.



ARIO™ 370S-SDM

- Smallest tag available
- Ideal for encapsulation into small items such as pharmaceutical vials
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module



ARIO™ 370S-SM

- High performance coupled with a compact form factor
- Form factor ideal for plastic injection molding into item-level packaging
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module



ARIO™ 370S-DM

- Ideal for asset tracking applications requiring a disk format
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module

TECHNICAL SPECIFICATIONS

General

Diameter	8.9mm (0.35in)
Thickness	1mm (0.03in)
Material	Epoxy
Weight	< 60 mg

General

Diameter	13.5mm x 13.5mm (0.53in x 0.53in)
Thickness	<1mm (0.03in)
Material	Epoxy
Weight	< 100 mg

General

Diameter	Inner: 11mm (0.43in) Outer: 26mm (1.02in)
Thickness	≤ 0.9mm
Material	Epoxy
Weight	< 100 mg

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T-M-ArioSDM-SM-DM-Datasheet-2Jan2012

Ario HF Tag Family Product Specifications

Electrical	• Carrier Frequency: 13.56MHz • Operation Mode: Passive (battery-less transponder)
Operating Temperature Range	• -40 +85C (-40 +185F)
Storage Temperature Range	• -40 +125C (-40 +257F)
Protection Class	• IP67

IC Specifications

Operating Protocol	• ISO 15693, ISO 18000-3-1
Memory	• 1280 user bits • 64 UID bits • Read/Write, Lockable

www.tagsysrfid.com

TAGSYS RFID™
e-connecting goods