

ARIO 370S-1313-D - Product Specification

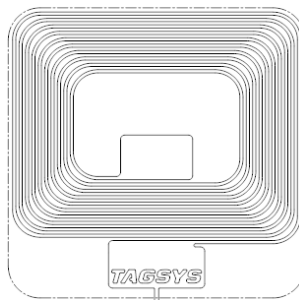
"370S-SM" Rugged Tag

Ordering reference : TM370E07

HF ISO18000-3 Mode 1 / ISO15693

Document v1.1, June 2008

Design



Product overview

Dimensions	Specification	Units	Comments
Size	13.5x13.5 +/- 0.5	mm	
Overall thickness	0.85	mm	+/- 0.1

Electrical characteristics





Electrical	Specification	Units	Comments
Integrated Circuit	HF ISO18000-3 Mode 1/ ISO15693		
Frequency carrier	13.56	MHz	+/- 7kHz
Memory Size	2048	Bit	
Specific feature	UID, AFI, Password protection, Destroy command		
Data retention	10	years	Tamb < 55C
Write Endurance	100000	cycles	Tamb < 55C
ESD immunity	+/- 2	kVolts	

Environmental/Mechanical characteristics

Environmental/Mechanical	Specification	Units	Comments
Operating	-40 / +85	Degree C	
Storage	-40 / +125	Degree C	

Material stack-up



Layer	Name	Material	Comment
	IC		C370S / SLI-S
	Antenna	Copper	
	Substrate	Epoxy	
	Glob Top	Resin	

Delivery Format

Delivery	Specification	Details
Format	Tag delivered in a tray	A packing tray contains 1000 tags
Delivery details	Each packing tray is identified with product code, lot number, number of tags. The tray can be delivered with the list of product UID.	
Test	100% Inlays are tested	
Yield	100%	Only good tags are delivered
Minimum order	1 packing tray	Order unit = 1 packing tray