SYRMA TECHNOLOGY

RFID PRODUCTS
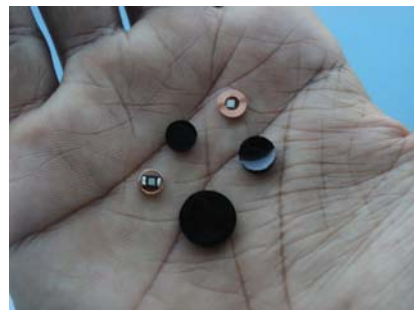### Data Sheet
Last Rev: Feb 2012

10 / 7 / 6 mm EPOXY ENCAPSULATED TAGS

🌲 **RoHS Compliant**

FEATURES:
13.56MHz,
Read/Write Tags
ISO15693 standards compliant (13.56MHz tags)

APPLICATIONS:
Product Authentication
Tools / Instruments Locator
Asset Management
Miniature Tag Applications

FUNCTIONAL SPECIFICATIONS:

Operating Frequency	13.56MHz (+0.5/-0.2MHz)
ISO Standard Compliance	ISO 15693
Memory Type	Icode SLI - 1024 bits, R/W
	Icode SLI-L - 256 bits, R/W
	Tag-it - 256 bits, R/W

PHYSICAL SPECIFICATIONS:

Standard sizes – Dia x Height (in mm) **	**6mm Tag** => 6.2 max x 1.8 max
	7mm Tag => 7.2 max x 1.8 max
	10mm Tag => 10.5 max x 1.8 max
Material **	Epoxy
Color **	Black

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature (Deg C)	-10 to +60
Storage Temperature (Deg C)	-25 to +85
Mechanical Vibrations	10g, 20-1000Hz, 3 axis, 10 cycles/axis
Mechanical Shock	15g, half-sine, 18ms, 3 axis, 6 times/axis
Hermetic Sealing	IP67

1) Read Distance depends on the User's reader antenna and test conditions
2) Tags with other ICs from NXP, EM, Infenion, Atmel, ST Micro, TI or other semiconductor manufacturers are also available as per customer requirements
*** Other sizes, materials or colors can be made available on request*
*** **Ask for our special HIGH Temperature Tags that work at 150/180/200 deg C continuous operation**

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