

SYRMA TECHNOLOGY

RFID PRODUCTS

Data Sheet

Last Rev: Nov 2008

THIN EPOXY POTTED TAG

FEATURES:

125 KHz, 134.2 KHz OR 13.56MHz Tags
Read/Write or Read Only Versions
ISO14443/15693 standards compliant (13.56MHz tags)
ISO11784 standard compliant (134.2 KHz tags)
High impact and Chemical resistant

 **RoHS Compliant**



APPLICATIONS:

Asset Management
Chemically strong environment
Access control

FUNCTIONAL SPECIFICATIONS:

Operating Frequency	13.56MHz (+0.5/-0.2MHz)	125±6KHz, 134.2±3 KHz
ISO Standard Compliance	ISO 11784, ISO 14443/15693	EM4102-64 bits, R/O, EM4105-128 bits, R/O, EM4305-512 bits, R/W, Hitag S 256 bits, R/W Hitag S 2048 bits, R/W
Memory Type	1 code Sli- 1024 bits R/W Mifare 1K, 1024bits, R/W Mifare 4K, 1024bits, R/W	

PHYSICAL SPECIFICATIONS:

Diameter	28±0.2mm	28±0.2mm
Thickness	1.5±0.1mm	1.5±0.1mm
Hole	5.0±0.2mm	5.0±0.2mm
Weight	1.6 grams	1.6 grams

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature * (Deg C)	-25° C to +70° C	-25° C to +70° C
Storage Temperature (Deg C)	-40° C to +85° C	-40° C to +85° C
Mechanical Vibrations	10g, 20-1000Hz, 3 axis, 10 cycles/axis	10g, 20-1000Hz, 3 axis, 10 cycles/axis
Water Immersion	IP68	IP68
Chemical	Salts water Test @ 100 Hrs Petroleum @ 100 Hrs Vegetable oil @ 100 Hrs	Salts water Test 100 Hrs Petroleum @ 100 Hrs Vegetable oil @ 100Hrs

*Tag will work for few minutes at 150 °C

1) Read Distance depends on the User's reader antenna

2) Tags with other ICs from NXP, EM, Infineon, Atmel, ST Micro, TI, Legic 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

Syrma Technology reserves the right to change the product information, specification, features or data without any prior notice at any time. Syrma Technology does not take any responsibility for customer product/system design or performance when used with specifications not mentioned above.

Syrma Technology Pvt. Ltd.

Plot B27, Phase 2, Zone B, MEPZ Special Economic Zone, Tambaram, Chennai-600045, INDIA
Tel: +91 44 22628600 Fax: +91 44 22628612 Email: info@syrmatech.com URL: www.syrmatech.com