

**Overview:**

The low frequency glass RFID tag is amply insensitive to read interference caused by liquids and metals and is resistant to immersion in salt water, alcohol, oil, 10% HCL and ammonia. It is encapsulated within a highly durable case which makes it useful for a range of applications from implanting into pets to laundry management. Once in place in a system, the LF RFID tag is maintenance free and can last for many years making it extremely cost effective.



**Specifications:**

Type	Contactless Read Only
Operating Frequency	125 ± 6 kHz. (LF-Low Frequency)
Capacity	256 bits
Data Coding Type	Manchester, Biphase, PSK
Common Usage	Animal identification, small parts identification, medical parts
Standard Deployment	Injected into animal via syringe
Tested Read Range	2 ~ 3 cm (1 ~ 1.5 in.) when injected
Multi-Detection	Yes
Dimension / Weight	Diameter: 2.12 mm, Length: 12.0 mm / 95mg
Material	BIO Glass 8625
Compliance	ISO 11784 / 11785, EM4100
Operating Specifications	Waterproof IP 67 Resistance to immersion in salt water, alcohol, oil, 10% HCL Ammonia (t=100hours) Shock: 200g, 2 axes (IEC 68-2-27) Vibration: 10G, 10Hz-2000Hz, 2 axes (IEC 68-2-6) Temperature: storage at – 40 °C to 90 °C, Operating at 0 °C to 50 °C

**GAO Group**

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