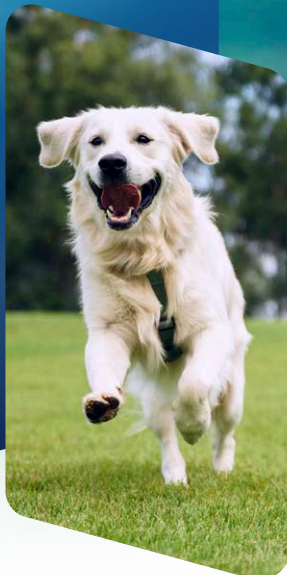




ANIMAL ID



SIC279

12mm RFID GLASS TRANSPONDER

Silicon Craft's passive mini-RFID glass transponder, measuring 12mm x 2.12mm, operates through a 134.2 kHz half-duplex protocol powered by SIC279.

Utilizing low-frequency (LF) technology, our animal identification transponders are perfect for tracking animals in various habitats—such as saltwater, cold-water, and high-noise-level environments—ensuring effective monitoring and management.

Our products, designed with state-of-the-art techniques, incorporate exclusive intellectual property (IP) to deliver the best performance. Our transponders significantly enhance readability, setting a new benchmark in the industry.

HIGHLIGHT FEATURES

- ISO 11784/11785 Animal ID, ICAR compliant RFID
- Long read range R/W RFID transponder
- High resistance against noise for reliable performance in challenging environments
- Operating frequency 134.2kHz
- Half-duplex communication for read/write data

MEMORY

- 192 bits EEPROM
- 100,000 Erase/Write Cycles
- 10 Years Non-volatile Data Retention

APPLICATIONS

- Fish Tracking (PIT)
- Pet Identification
- Lab Animal Identification
- Zoo Animal Identification
- Industrial Automation
- Asset Tagging