



***This active RFID tag offers a tamper-proof solution in which the tag will send an alarm if it is dislodged. It performs well even when it is mounted on metal surfaces such as iron and aluminum.***

This ABS material packed RFID tag supports bi-directional reading providing two commands: addressing command and stop addressing command. The round RFID tag transmits ID every two seconds and offers an identification rate of 100 tags per second. It boasts a built-in LED which will flash when the tag receives a signal from an RFID reader ensuring users to easily locate the tagged asset. This well-designed RFID tag also has a smart tiny button at the bottom. When the button is pushed in and the tag will transmit a "normal" signal; if the tag is peeled off, the button will pop up and the tag will send an "alarm" signal to indicate abnormal status. The RFID tag also provides reliable RF signal and communication distance even in harsh environments. Long-range tracking is up to 30 meters.

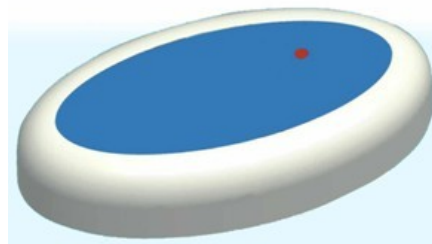
## **Key Features**

- ✓ Good for on-metal applications
- ✓ Reliable RF signal and communication distance even in harsh environments
- ✓ Tamper-proof with alarm
- ✓ 2.45GHz microwave frequency
- ✓ 100-tag/s identification rate, 2,000 tag management in RF field
- ✓ Transmits ID every 2 seconds
- ✓ Reader communication is bi-directional providing two commands: addressing command and stop addressing command



## Technical Specifications

Communication	
Frequency	2.45GHz, ISM band
Transmit range	Up to 30 meters (free environment)
Modulation	GFSK
Communication protocol	Proprietary protocol
Communication mode	Bi-directional
Data rate	1Mbps
Anti-collision	100 tags per second
Electronic	
Electrical current	15 $\mu$ A
Output power	0dBm
Battery life	1 year, replaceable
Physical	
Dimension	51mm x 26mm x 8.4mm
Material	ABS
Weight	25g
Color	White





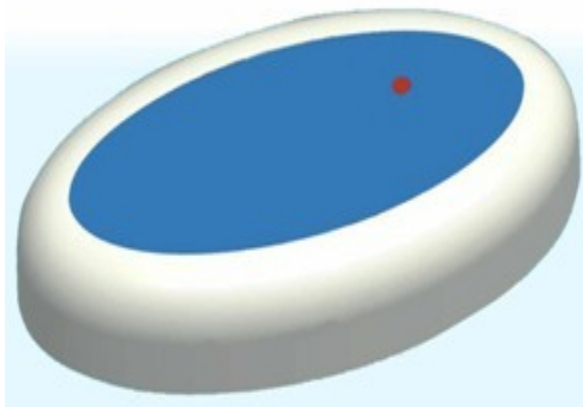
**GAO RFID Inc.**

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*Product Overview*

**Active Beaconing RFID Tag (127005)**



## **GAO Group**

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