



This optimized passive tag is temperature resistant and excellent for use on metals, wood and plastic pallets, metallic molds, etc.

This UHF Gen mini metal RFID tag is suitable for any application where small form factor combined with high temperatures of up to 200°C and where chemical resistance against Hydrochloric acid, Sulfuric acid, Alkali, Alcohol, machining oil may be encountered. It can withstand rough and harsh environments and is resistant to interference caused by liquids and metals. The mini metal tag is encapsulated in ABS with 3M adhesive and provides a read quantity of up to 150tags/s.

Key features

- ✓ Waterproof and dustproof
- ✓ Resistance to immersion in salt water, alcohol, oil, 10% HCL, ammonia
- ✓ Shock- dependant on packaging
- ✓ Vibration- dependant on packaging





Technical Specifications

Type	Contactless read/write
Operating frequency	US (902MHz to 928MHz) (UHF-Ultra High Frequency)
Data coding type	96 bit EPC ID
Standard deployment	Rough and harsh service environments resistant to liquids and metals
Tested read range	Maximum 1 M write, 2 M read
Multi-detection	Yes
Max read quantity	150 tags/sec
Weight	10g
Tag size	19mm x 23.5mm x 4mm
Substrate material	ABS with 3M adhesive
Color	Grey
Regulatory specifications	ISO 18000-6C
Compliance	Gen 2 IMPINJ
Storage temperature	-40°C to 200°C
Operating temperature	-25°C to 200°C
Humidity	-40% to 80% relative





GAO RFID Inc.

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Product Overview

UHF Gen 2 Mini Metal RFID Tag (116601)



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GAOResearch.com

Toll Free (USA & Canada)

1-877-585-9555

All Other Areas

416-292-0038

Dial Ext.601 for Sales
Ext.602 for Other Inquiries

China: 86-519-80691090
86-519-80691089

sales@GAORFID.com