



This small form mount-on metal UHF RFID tag can operate in a high temperature environment. It is also well-suited for IT assets such as laptops or handheld computers that require a small form factor RFID tag.

This mount-on metal RFID offers robust performance at an attractive price point. Constructed with durable flame retardant 4 (FR-4) laminate, these UHF tags can endure temperatures of 200°C (even in oil), high humidity, and pressure of up to 15-bar. The tag also withstands vibration and mechanical shock. It supports EPC Class 1 Gen 2 protocols and has an IP 68 rating. This tag is available in frequencies for North America, Europe, and Japan. Barcodes and 2D barcodes and encoding are available for the tags.

Key features

- ✓ Excellent on metal read range
- ✓ RoHS compliant
- ✓ Resistant to high temperature – tags tested at 200°C (392°F) for 6 hours, and 200°C in hot oil for 6 hours
- ✓ Resistant to humidity – tags tested at 85°C /95% RH humidity test for 168 hours
- ✓ Sturdy – tags withstood 1kg iron ball impact test from a height of 1.5m
- ✓ IP68 rating
- ✓ EPC Class1 Gen2 with ALIEN higgs3
- ✓ 1 and 2D barcode printing available
- ✓ Encoding available





Technical Specifications

Dimensions	38mm x 10mm x 3.2mm		
Read ranges	Fixed reader (ERP 4W)	Off-metal	0.4m min., 0.6m max.
		On-metal	2.0m min., 2.5m max.
	Handheld reader (ERP 2W)	Off-metal	0.1m min., 0.2m max.
On- metal		0.8m min., 1.2m max.	
Standard Compliance	EPC C1G2 – passive		
Frequency	UHF (US, EU, JPN)		
Memory	TID	96 bits	
	EPC	96 to 49 bits	
	User	64 to 512 bits	
	Access	32 bits	
	Kill	32 bits	





GAO RFID Inc.

A Member of GAO Group

Celebrating Over 15 Year of Innovation

Product Overview

Form Factor Mount-on Metal UHF RFID Tag (116039)



GAO Group

Celebrating Over 15 Years of Innovation

GAORFID.com

GAOTek.com

GAORFIDAssetTracking.com

GAOComm.com

GAOInstruments.com

GAOFiberOptics.com

GAOEmbedded.com

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