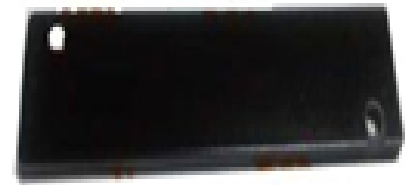




This ultra thin mount-on metal UHF RFID tag offers robust performance at an attractive price point. It endures temperatures of 200°C and pressure of up to 15-bar.

This mount-on-metal RFID tag is part of a series of GAO’s mount-on-metal, high-temperature resistant tags. These sturdy tags offer 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 tags also withstand vibration and mechanical shock. As well, they are resistant to chemical hazards such as sulfuric acid and salt water. GAO’s family of RFID tags is EPC Class 1 Gen 2 and RoHS compliant and has an IP68 rating. The tags are available in frequencies for North America, Europe, and Japan. Barcodes and 2D barcodes and encoding are available for the tags.



The, 116040, is the thinnest of GAO’s series of on-metal RFID tags at only 0.05in or 1.27mm. Aside from operating in high temperature environments, these tags are also well suited where ever a low profile is required. The tags will read up to 6 feet when mounted on metal using a fixed RFID reader.

Features

- ✓ Excellent On Metal Read Range
- ✓ RoHS Compliant
- ✓ Resistant to high temperature – 6h at 200°C (392°F) and 6h in 200°C hot oil
- ✓ 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 & 2D barcode printing available
- ✓ Encoding available



Specifications

Dimensions	45mm x 10mm x 3.2mm		
Read ranges	fixed reader (ERP 4W)	Off-metal	3m min., 3.6m max.
		On-metal	
	handheld reader (ERP 2W)	Off-metal	1.2m min., 1.5m max.
		On-metal	
Standard Compliance	EPC C1G2 – passive		
Frequency	UHF (US, EU, JPN)		
Memory	TID	96bits	
	EPC	96 to 496bits	
	User	64 to 512bits	
	Access	32bits	
	Kill	32bits	





GAO RFID Inc.

A Member of GAO Group

Celebrating Over 15 Year of Innovation

Product Overview

Ultra Thin Mount-on Metal UHF RFID Tag (116040)



GAO Group

GAORFID.com

GAOTek.com

GAORFIDAssetTracking.com

GAOComm.com

GAOInstruments.com

GAOFiberOptics.com

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