



This high-temperature resistant mount-on metal UHF RFID tag has a hole to hang on an asset with a fastener.

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, 116037, is a medium sized, medium range RFID tag with dimensions of 3.6 x 0.53in it has an impressive read range of almost 16ft or 4.8m when mounted on metal. This tag also has a hole to hang on an asset with a fastener. When off metal, hung in the air, the RFID tag has a read range between 4 and 5 feet.



Features

- ✓ Excellent On Metal Read Range
- ✓ Resistant to high temperature – 6h at 200°C and 6h in hot oil
- ✓ RoHS Compliant
- ✓ 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

Standards Compliance		EPC C1G2- Passive			
Read Range	Read Type	Fixed Reader (4w)		Handheld Reader (2w)	
		Off-metal	On-metal	Off-metal	On-metal
	Min. Range	1.0cm	4.0cm	0.5cm	1.5cm
	Max. Range	1.4cm	5.0cm	1.0cm	2.0cm
Dimensions (mm)		92 × 15.8 × 5.2 (L×H×T)			



GAO Group

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- GAORFIDAssetTracking.com
- GAOComm.com
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- 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