

# UHF PASSIVE RFID TAG SOLUTIONS

Industrial Grade | Optimized for Metal | No Line-of-sight Required | Multi-read Capable

## Ultra High Frequency

UHF RFID tag solutions offer faster data rates and longer read ranges making UHF RFID ideal for robust and high volume tracking. Commonly sensitive to detuning from things like metals or water, Abracon offers UHF RFID optimized for metal.

## Global Standard

Passive UHF RFID is the only type of RFID regulated by a single global standard. The standard, EPC global UHF Gen 2 V1, or UHF Gen 2. is being revised to an updated version called UHF Gen 2 V2, or G2. The new standard builds on the original V1, but ensures that future RFID communications have more complex and powerful security options to protect data and prevent tag counterfeiting. Abracon tags are ISO 18000-6C/EPC Class1 Gen6 with 902 ~ 928MHz operation.

## Abracon RFID Tags

The UHF RFID tags shown below are ceramic and are suited able for applications where the product is metal or contains liquids.

## ART Series RFID-IC

Part Number	L x W x H / Dia x H (mm)	Range UHF RFID For On Metal (M)	Comments
ART915X252503MA-IC	25 x 25 x 3.0	9	Longest range of series
ART915X250903AM-IC	23 x 9.0 x 3.0	6.5	Excellent range
ART915X3030YZ30-IC	30 x 30 x 3.0	4.0	Very good range
ART915X100503JA-IC	10 x 5.0 x 3.0	3.6	Compact, good range
ART915X25275YZ25-IC	25 x 25 x 2.75	2.5	Good value
ART915X050503OP-IC	5.0 x 5.0 x 3.0	2	Very small, Excellent range for size
ART915X2509EP60-IC	25 x 9 x 3.0	1.8	Good value
ART915X100202TO-IC	10 x 2.5 x 2.5	1.6	Compact, low profile
ART915X2117225TX21-IC	20.4 x 17 x 2.25	1.2	Good value
ART915X1620TX16-IC	Ø16.0 x 2.0	1.2	Good value, Compact and low profile
ART915X130930TX13-IC	13 x 9 x 3.0	0.8	Good value, Compact
ART923X1015YZ10-IC	Ø10.0 x 1.5	0.45	Short range, lowest profile

\* Alien H3 IC's with memory (96 bits of EPC & 512 bits of user memory).  
\*\* Tags sorted for Read Range



250903AM-IC



050503OP-IC



130930TX13-IC