

# Impinj Monza® R6 Flexible On-metal UHF RFID Tag

AZ-R6-OMTPU-9018



## 1. Product Overview

The Impinj Monza R6 Flexible On-metal UHF RFID Tag is a cutting-edge solution for asset tracking and inventory management. Featuring a flexible TPU material construction, this tag can be attached to irregularly shaped objects with ease. The tag's anti-metal characteristics ensure reliable performance even when placed directly on metallic objects, making it an ideal choice for various industrial and commercial applications.

## 2. Product Parameters

### 2.1 Physical Characteristics

SKU	AZ-R6-OMTPU-9018
Material	TPU
Tag Size	90x18mm (hole: 10x4mm)
Tag Thickness	4mm
Tag Weight	8 g
Tag Color	Blue, Red, Yellow, Green, Black, White
IP Rating	IP68
Mounting Methods	Fasten with cable tie

### 2.2 Technical Parameters

Operating Frequency	840-960Mhz
Communication Protocol	EPC Gen2V2, EPC Class1 Gen2, ISO 18000-6C
Applicable Surface	Metal Surfaces
Read Range (Fix Reader)	Up to 1.5m, on metal
Read Range (Handheld Reader)	Up to 1.0m, on metal



## Key Features

**Frequency Band**  
UHF 840-960Mhz

**Chip**  
Impinj Monza® R6

**International Standard**  
EPC Gen2V2, EPC Class1 Gen2, ISO 18000-6C

**EPC memory**  
96 Bits

**IP Rating**  
IP68

**Max. Read Range**  
1.5m on metal

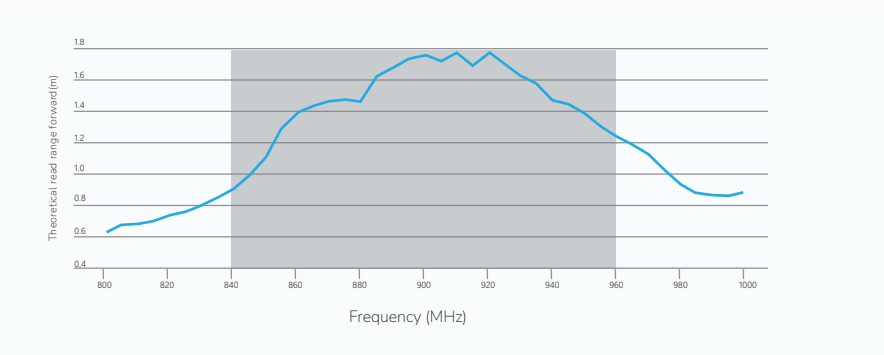
2.3 Chip Characteristics

Chip Manufacturer	Impinj
Chip Family	Monza® R6
Write Cycles [typical cycles]	100 000
Data Retention [years]	Up to 50
EPC Memory	96 Bits
User Memory	0 Bits
Read Sensitivity	-22 dBm
Write Sensitivity	-17 dBm

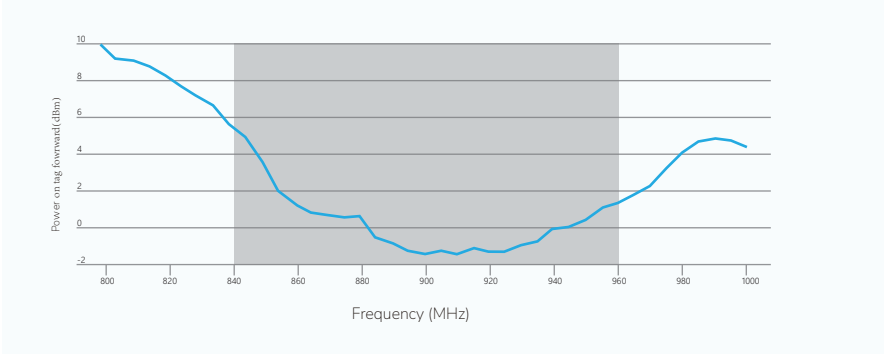
2.4 Additional Information

Storage Environment	-40°C to +100°C
Operating Environment	-40°C to +100°C

Reading range under different frequency



Tag power under different frequency



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