AZ-R6P-OMPC-8724

Impinj Monza®R6-P Polycarbonate RFID On-metal Tag

UHF | ISO/IEC 18000-6C | EPC Global Gen2V2 | 87 x 24 mm

Key Features

Operating Frequency
UHF 840-940 MHz

Chip Type
Impinj Monza®R6-P

International Standard
ISO/IEC 18000-6C, EPC Global Gen2v2

User Memory
64 bits

EPC Memory
128 bits

IP Rating
IP67

Max. Read Range
9.8m on metal, 4.8m off metal

1. Product Overview

Made from robust, impact-resistant, and polycarbonate, this Impinj Monza R6-P polycarbonate RFID On-metal tag offers exceptional performance within a frequency range of 840–940 MHz. It offers a read range of up to 9.8 meters on metal surfaces, ideal for efficient tracking in industrial settings. With compact size (87×24mm) and mounting options (5 mm screw holes or adhesive), it allows for easy installation. With an IP67 rating, it is dust and water-resistant, suitable for outdoor use, and designed for asset tracking, warehouse management, logistics, and equipment tracking in tough industrial settings.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZ-R6P-OMPC-8724
Material	Polycarbonate
Tag Dimension	87×24mm; Thickness: 11.0mm, (Hole: D5mm)
Net Weight	19.0g
Tag Color	White (Black, Red, Blue, Green)
IP Rating	IP67
Mounting Methods	Adhesive, Screw

2.2 Technical Parameters

Operating Frequency	840-940 MHz
Communication Protocol	ISO/IEC 18000-6C, EPC Global Gen2v2
Applicable Surface	Metal Surfaces
Read Range (Fix Reader)	9.8, (4W, 36dBm), On Metal 4.8, (4W, 36dBm), Off Metal
Read Range (Handheld Reader)	6.0, (1W, 30dBm), On Metal 2.8, (1W, 30dBm), Off Metal

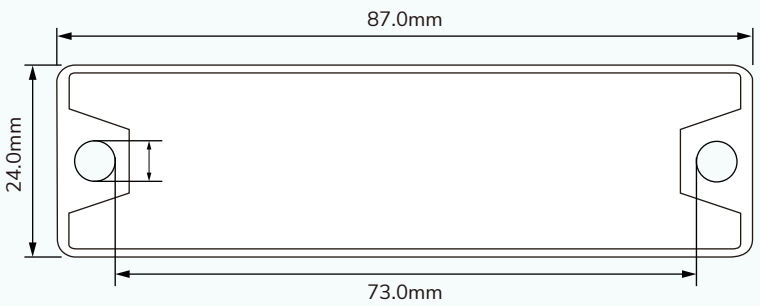
2.3 Chip Characteristics

Chip Manufacturer	Impinj
Chip Type	Impinj Monza®R6-P
Write Cycles (Typical Cycles)	100,000
Data Retention (Years)	50
User Memory	64bits
EPC Memory	128bits
TID Memory	96bits
Read Sensitivity	Up to -22 dBm
Write Sensitivity	Up to -17 dBm

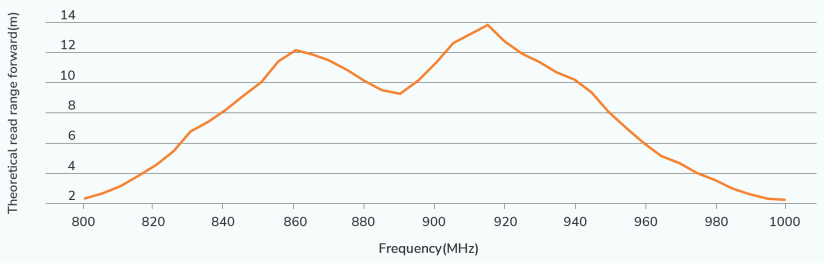
2.4 Additional Information

Operating Environment	-30°C to +70°C
Storage Environment	+18°C to +28°C
Applications	Asset tracking, warehouse management, logistics, and equipment tracking in challenging industrial conditions.

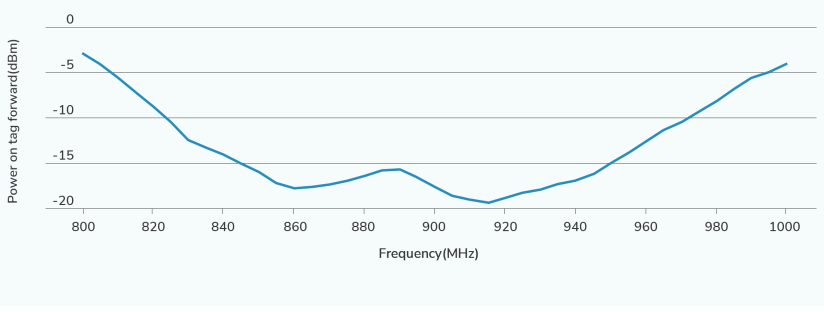
3.0 Dimensions



4.1 Reading range under different frequency



4.2 Tag power under different frequency



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