

Product Overview

Unlike flexible sticker-style RFID labels, these tags use PCB technology for their antenna and circuitry and are constructed from rigid materials, making them extremely robust, compact, and optimized for challenging environments — especially when attached to metal surfaces, tools, and industrial equipment, or deployed in harsh conditions (high temperatures, humidity, impact, vibration, etc.).

With multiple mounting options and support for global UHF RFID standards, these RFID PCB tags integrate seamlessly into existing systems, offering accurate identification, improved visibility, and reduced operational costs.

Technical Specifications

Item	Specification
Frequency	860–960 MHz
RFID Protocol	EPC Class 1 Gen2v2
Standard	ISO/IEC 18000-63
Chip	IMPINJ M7/ NXP ucode 8/ Higgs9
EPC Memory	96–496 bits
User Memory	According to chip
TID Memory	According to chip
Read Range	Up to 3m (reader dependent)
IC Retention	50 Years
Write Cycles	100,000



Applications :



Powder Coating

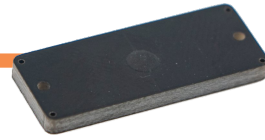


Paint Shop



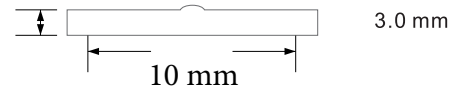
Engine Parts





Physical Specifications

Item	Specification
Label Size	10 x 5 x 3mm
Face Material	FR-4
Adhesive	-
Liner	-
Thickness	3 mm
Color	Black
Printing	Laser

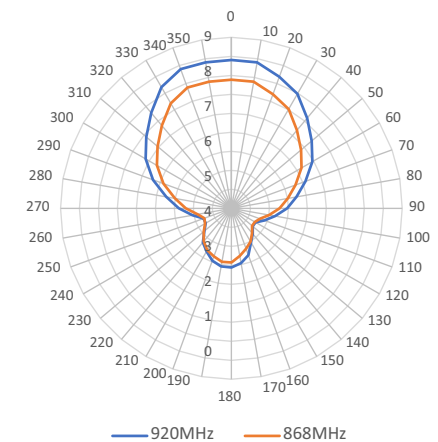


Environmental Characteristics

Item	Value
Operating Temperature	-20°C to +150°C
Storage Temperature	-40°C to +85°C
Humidity	5–95% RH
IP Rating	IP67

Layers :

Radiation Pattern



Packaging

Item	Specification
Tag/Roll	500 pcs / bag,
Carton Qty	10 bags / box

