

Metal label 5015



The metal disrupts a lot Ultra High Frequency (UHF) RFID, so labels must be adapted. That is why AXEM Technology offers its range of UHF RFID labels adapted to perform on metal thanks to an insulating layer between the inlay and adhesive.

As every AXEM Technology labels, the protective top PET layer is customizable with text, logo, barcode, QR codes...

Adhesives metal labels can be fixed on anything even on curved surfaces – such as contour of metallic cylinders.

This metal label has an innovative antenna offering a very long read range up to 3m.

Functional specifications

RFID Protocol	EPC global and ISO 18000-63 compliant, Gen2v2 compliant
Frequency	(EU) 865-868MHz, (US) 902-928MHz
IC type	IMPINJ Monza R6
Memory	EPC 96bits , TID96bits
Write Cycles	100,000times
Functionality:	Read/write
Data Retention:	Up to 50 Years
Applicable Surface:	Metal Surfaces
Read Range : (Fix Reader: 36dBm/4W)	3,0m -(EU) 865-868MHz, On Metal 3,5m -(US) 902-928MHz, On Metal
Read Range : (Handheld Reader: 30dBm/1W)	1,8m -(EU) 865-868MHz, On Metal 2,0m -(US) 902-928MHz, On Metal

Physical specifications

Size	50x15mm
Thickness	1.3mm
Antenna size	110*13mm
Mounting Methods	Adhesive
Packaging	Single packaging

Environmental specifications

IP rating	IP54
Storage Temperature	-20°C to +75°C
Operating Temperature	-20°C to +75°C
Certifications	Reach, RoHS, CE