

Product Specification

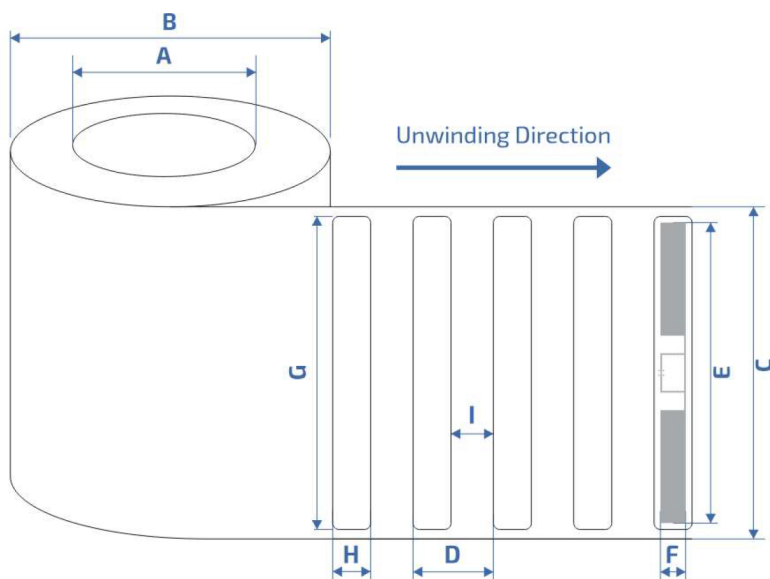
SKU: AN891N102

Operating frequency	860-960 MHz
Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2

IC - Integrated Circuit

Model	Impinj Monza 730
TID	96 bits (48 bits serialized)
EPC	128 bits
User	None
Reserved	32 bits Access Password, 32 bits Kill Password (chip configuration)
Data Retention	10 years
Programming Cycles	10,000 cycle endurance
Read Sensitivity	- 24 dBm
Write Sensitivity	- 21 dBm

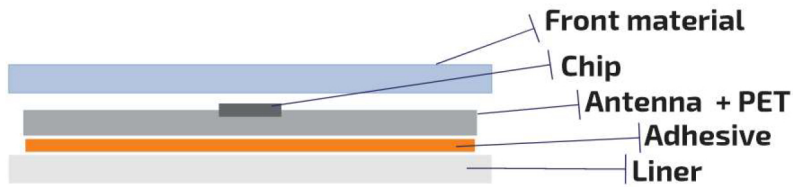
Mechanical Specification



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76.2	2	3
B	Roll max outer diameter (\leq)	203.20	5	8
C	Web width	105	2	4.13
D	Pitch length per piece (MD)	25.400	2	1.000
E	Antenna width	95	0.2	3.74
F	Antenna height	8	0.5	0.31
G	Die-cut width	99	1	3.90
H	Die-cut height	12	2	0.47
I	GAP	13.400	2	0.528
	Register Mark	NA*	NA*	NA*

* Not applicable.

Product Structure



Front material	White BOPP
Back Material	Liner, 60 g/m ²
Antenna material	Aluminum 10 μm on a PET 50μm substrate
Adhesive	Functional Permanent PSA Acrylic (ADC1200)
Min. labelling temperature	0 °C
Service temperature	-40 to 90 °C (maximum related to the top high temperature of the adhesive)
Peel min.	3 N / 25 mm (FTM 2)
Total Thickness	124 μm (± 10 μm)

Characteristics

Max. consecutive faulty tags	3
IC operating temperature	-40 °C to 85°C, 50 % RH
Shelf life	1 year (from manufacturing date)
Storage	23 °C ±3 °C / 50% RH ± 5%
ESD voltage immunity	2 kV peak HBM (Human Body Model)
Bending diameter	> 50 mm, tension less than 10 N

Packaging

Qty per Roll	5,000
Roll Net Weight ≈	3 kg - 6.61 lbs
Box	240 X 240 X 120 mm
Master Box	NA*

* Not applicable.