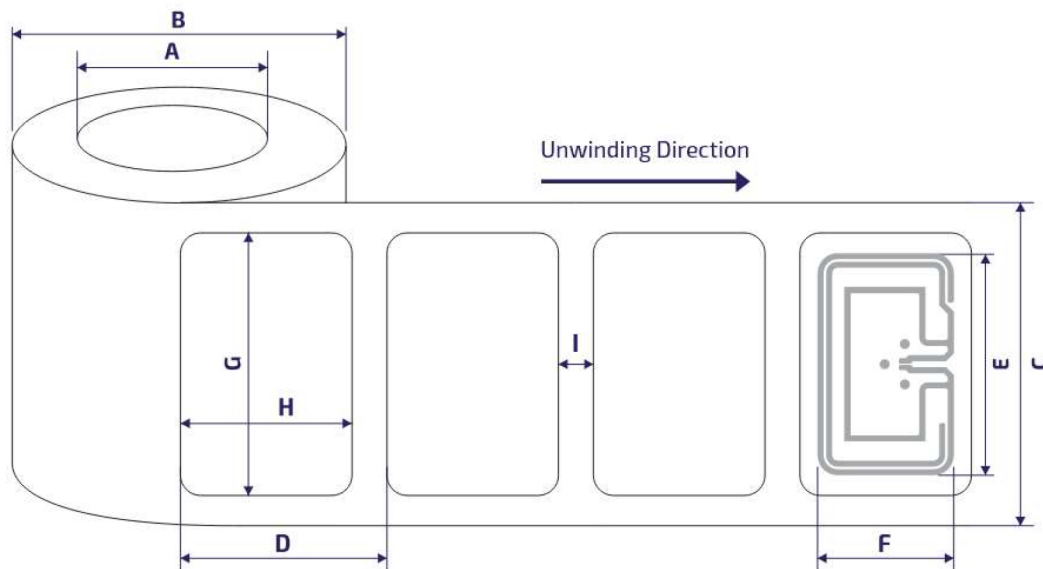


Product Specification

IC - Integrated Circuit

SKU	AN821N102	TBD	TBD
Model	Impinj M730	Impinj M750	Impinj M770
TID	96 bits (48 bits serialized)	96 bits (48 bits serialized)	96 bits (48 bits serialized)
EPC	128 bits	96 bits	128 bits
User	None	32 bits	32 bits
Reserved	32 bits Access, 32 bits Kill		
Data Retention	10 years		
Programming Cycles	10,000 cycle endurance		
Read Sensitivity	- 24 dBm		
Write Sensitivity	- 21 dBm		
Operating frequency	860-960 MHz		
Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2		

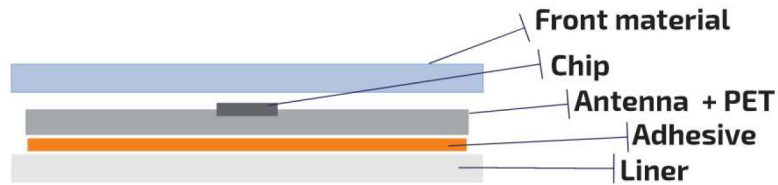
Mechanical Specification



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	50.8	2	2.03
B	Roll max outer diameter (\leq)	203.2	5	8.13
C	Web width	32	2	1.28
D	Pitch length per piece (MD)	20.461	2	0.818
E	Antenna width	22	0.2	0.88
F	Antenna height	13.5	0.5	0.54
G	Die-cut width	26	1	1.04
H	Die-cut height	17	2	0.68
I	GAP	3.461	2	0.138
	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
Min. labelling temperature	-10 °C
Service temperature	-10 to 80 °C (maximum related to the top high temperature of the adhesive)
Peel min.	3 N / 25 mm (FTM 2)
Total Thickness	213 μm (± 13 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	6,000
Roll Net Weight ≈	2 kg - 4.41 lbs
Box	240 X 240 X 120 mm
Master Box	NA*

* Not applicable.