

Product Specification

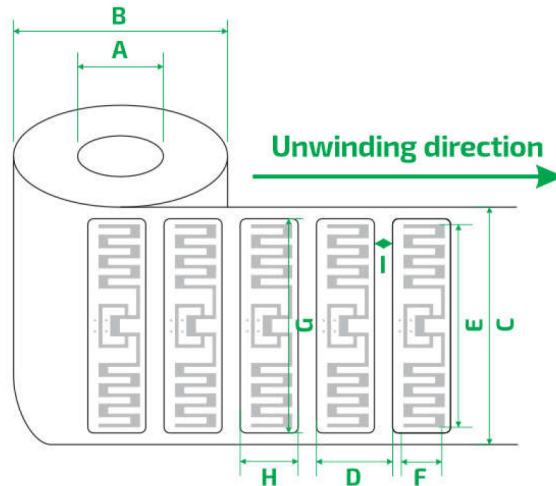
SKU: AN771N104

Operating frequency	860-960 MHz
Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2

IC - Integrated Circuit

Model	Impinj Monza 750
TID	96 bits of Serialized TID with 48-bit serial number
EPC	96 bits
User	32 bits
Reserved	32 bits Access Password, 32 bits Kill Password (chip configuration)
Data Retention	50 years
Programming Cycles	100,000 cycle endurance
Read Sensitivity	- 24 dBm
Write Sensitivity	- 21 dBm

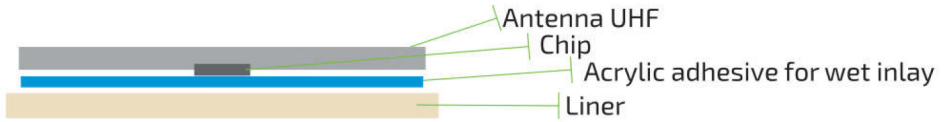
Mechanical Specification



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76.2	2	3
B	Roll max outer diameter (\leq)	203.2	5	8
C	Web width	80	1	3.14
D	Pitch length per piece (MD)	26.31	0.5	1.03
E	Antenna width	70	0.2	2.75
F	Antenna height	14	0.5	0.55
G	Die-cut width	74	0.5	2.91
H	Die-cut height	18	0.5	0.71
I	GAP	8.307	1	0.33
	Register Mark	NA*	--	--

* Not applicable.

Product Structure



Front material	PET 50µm substrate
Back Material	Liner, 60 g/m ²
Antenna material	Aluminum 10 µm on a PET 50µm substrate
Adhesive	Functional Permanent PSA Acrylic for wet inlay (ADC200F)
Min. labelling temperature	-40 °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	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%
Yield	> 99%
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 (standard roll for 8")
Roll Net Weight	3 kg - 6.61 lbs
Box	230 x 230 x 120 mm (1 roll per box)
Master Box	NA*

* Not applicable.