

Product Specification

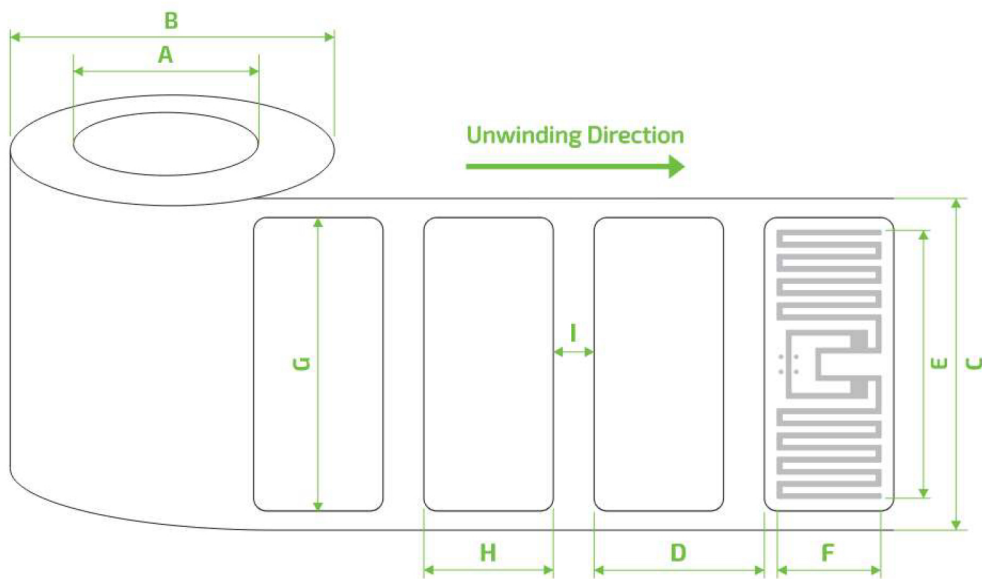
SKU: AN742N104

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

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	10 years
Programming Cycles	10,000 cycle endurance
Read Sensitivity	- 24 dBm
Write Sensitivity	- 21 dBm

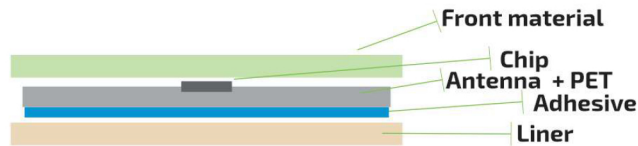
Mechanical Specification



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76.2	2	3
B	Roll max outer diameter (\leq)	203.2	5	8
C	Web width	52	1	2.05
D	Pitch length per piece (MD)	26.307	0.5	1.036
E	Antenna width	42	0.2	1.65
F	Antenna height	16	0.5	0.63
G	Die-cut width	45	0.5	1.77
H	Die-cut height	20	0.5	0.79
I	GAP	6.307	1	0.248
	Register Mark	NA	--	NA*

* Not applicable.

Product Structure



Front material	White woodfree paper, 101 µm
Back Material	Liner, 60 g/m ²
Antenna material	Aluminum 10 µm on a PET 50µm substrate
Adhesive	Functional Permanent PSA Acrilyc (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	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
Roll Net Weight ≈	3 kg - 6.61 lbs
Box	240 x 240 x 120 mm (2 roll per box)
Master Box	NA*

* Not applicable.