

Product Specification

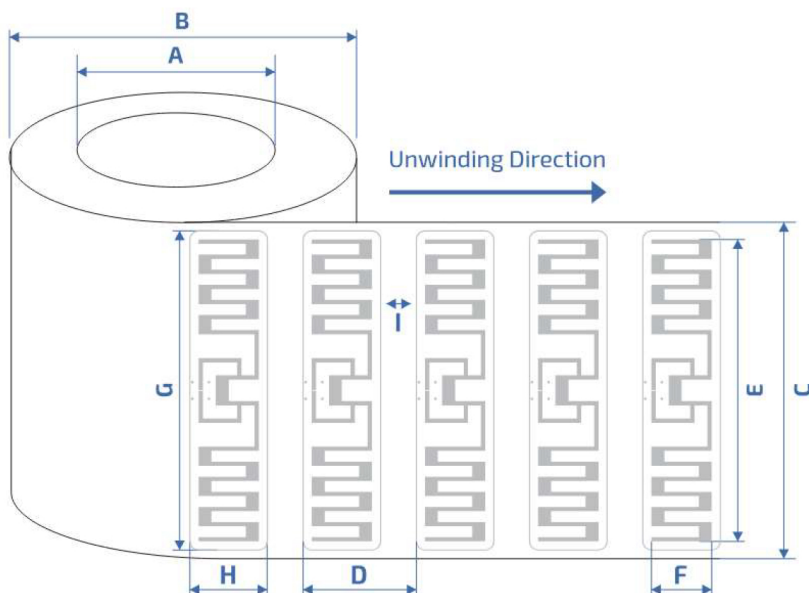
SKU: AN771N127

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

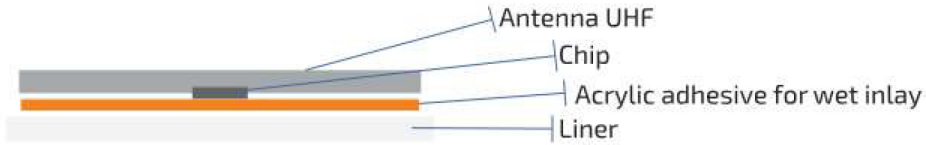
Mechanical Specification



Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76.2	2	3
B	Roll max outer diameter (\leq)	398.78	5	15.7
C	Web width	78	1	3.07
D	Pitch length per piece (MD)	26.307	0.5	1.036
E	Antenna width	70	0.2	2.76
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	0.327
	Register Mark	NA	--	NA*

* Not applicable.

Product Structure



Front material	Aluminium with PET material
Back Material	PET material
Antenna material	Aluminum 10 µm on a PET 50µm substrate
Adhesive	Functional Permanent PSA Acrylic for wet inlay (ADC200F)
Min. labelling temperature	0 °C
Service temperature	-40 to 90 °C (maximum related to the top high temperature of the chip)
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	20,000
Roll Net Weight ≈	4 kg - 8.82 lbs
Box	400 X 400 X 680 mm
Master Box	NA*

* Not applicable.