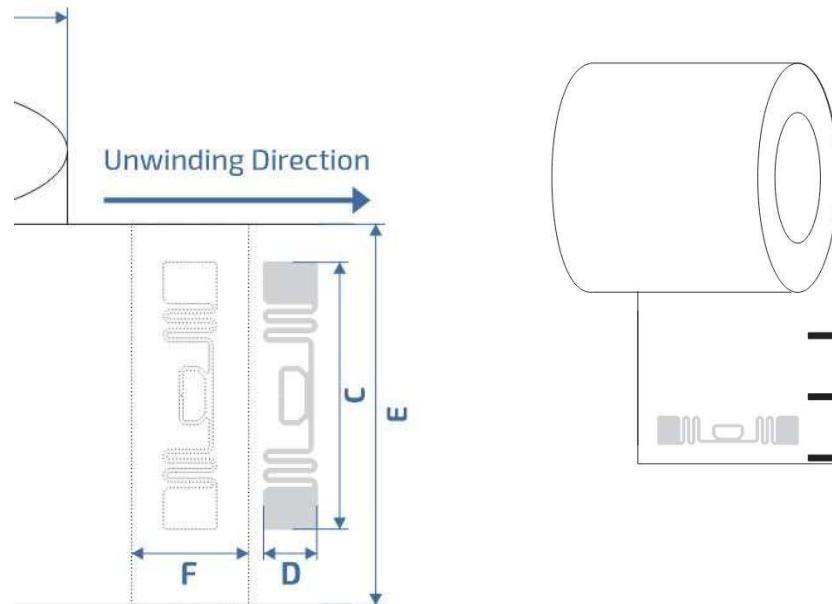


IC - Integrated Circuit

SKU	AN3103N101	TBD
Model	Impinj Monza R6	Impinj Monza R6-P
TID	96 bits (48 bits serialized)	96 bits (48 bits serialized)
EPC	96 bits	96 / 128 bits
User	None	64 / 32 bits
Reserved	None	32 bits Access, 32 bits Kill
Data Retention	50 years	
Programming Cycles	100,000 cycle endurance	
Read Sensitivity	- 22.1 dBm	
Write Sensitivity	- 17.3 dBm	
Operating frequency	860-960 MHz	
Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2	

Mechanical Specification

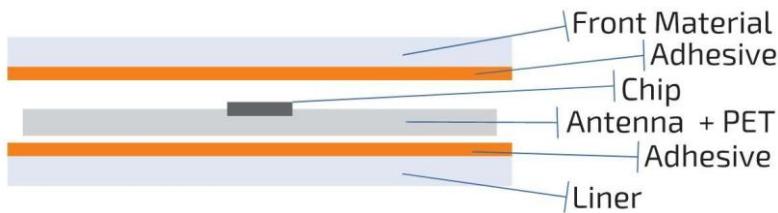


Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A	Core inner diameter	76.2	2	3.00
B	Roll max outer diameter (\leq)	398.78	5	15.70
C	Antenna width	70	0.2	2.76
D	Antenna height	14	0.5	0.55
E	Die-cut width	100	1	3.94
F	Die-cut height	30.691	2	1.21
	Register Mark	15x3	2x0.2	0.59x0.12

* Not applicable.

Product Structure

v1.0



Front material	Nylon
Back Material	Nylon
Antenna material	Aluminum 10 µm on a PET 50µm substrate
Adhesive	Functional Permanent Hotmelt
Min. labelling temperature	-14 °C
Service temperature	'-20 to 65 °C (maximum related to the top high temperature of the adhesive)
Peel min.	3 N / 25 mm (FTM 2)
Total Thickness	213 µm (\pm 13 µm)
Application Method	Manual

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 \pm 3 °C / 50% RH \pm 5%
ESD voltage immunity	2 kV peak HBM (Human Body Model)
Bending diameter	> 50 mm, tension less than 10 N

Packaging

Qty per Roll	15,000
Box	240 X 240 X 120 mm
Master Box	NA*

* Not applicable.

