TAGEOS

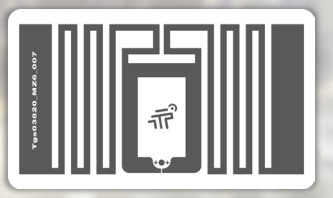
PRODUCT DATASHEET **EOS-250**

Preliminary

EOS-250

APPLICATIONS

Apparel



GENERAL SPECIFICATIONS

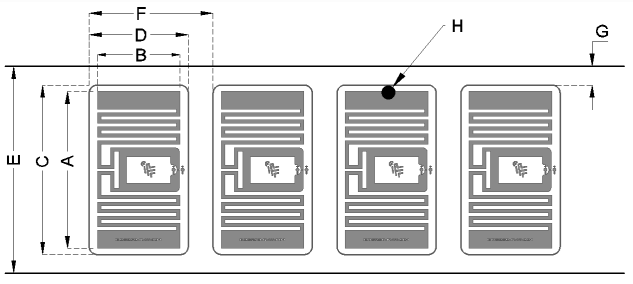
Frequency	FCC 902–928 MHz / ETSI 865–868 MHz / ASIA 950–956 MHz
Protocol	EPC Class 1 Gen 2
EPC memory	Up to 128 bits
User memory	Up to 64 bits
Antenna size	38 x 20 mm / 1.5 x 0.79 in
Label size	41 x 24 mm / 1.61 x 0.94 in

AVAILABLE FORMATS

Adhesive label

MECHANICAL DIMENSIONS

DIMENSIONS	DESCRIPTION	METRIC	US
A x B	Antenna size	38 x 20 mm	1.5 x 0.79 in
C x D	Label size	41 x 24 mm	1.61 x 0.94 in
E	Web width	50 mm	1.97 in
F	Pitch	30 mm ± 0,5	1.18 in
G	Die-cut to web edge	4.5 mm	0.18 in
H	Bad mark	Ø 4 mm	Ø 0.16 in



FEED DIRECTION →

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RFID CHIP SILICON

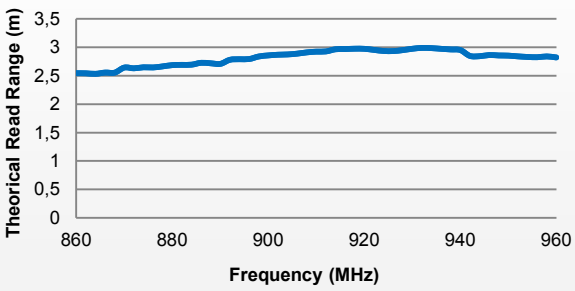
TAG SILICON	IMPINJ MONZA R6	IMPINJ MONZA R6-P
Protocol	EPC Class 1 Gen 2	EPC Class 1 Gen 2
Operating frequency	860 – 960 MHz	860 – 960 MHz
EPC memory	96 bits	Up to 128 bits
User memory	-	Up to 64 bits
Operating temperature	-40°C / +85°C (-40°F / +185°F)	-40°C / +85°C (-40°F / +185°F)

PRODUCT CHARACTERISTICS

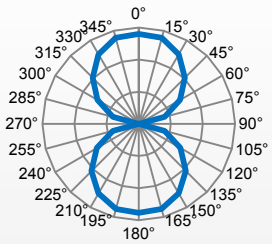
	ADHESIVE LABEL
Antenna material	Aluminum
Front face material	White TT printable paper White TT printable plastic
Back face material	-
Adhesive	Solvent-free permanent acrylic adhesive
Final inspection	100% tested, defective tags marked

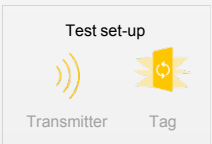
TAG READ PERFORMANCE

Read Range in Free Space



Orientation sensivity





All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level and an Impinj Monza R6 tag silicon.

DELIVERY CONDITIONS

	ADHESIVE LABEL
Packaging	Roll (single row)
Core inner diameter	76 mm / 3 in
Roll outer diameter	200 mm / 7.87 in
Unwinding direction	Labels on outside of roll
Standard roll size	4000 pcs (tbc)
Minimum order quantity	One roll

CERTIFICATIONS & APPROVALS

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