



T A G E O S

PRODUCT DATASHEET EOS-100

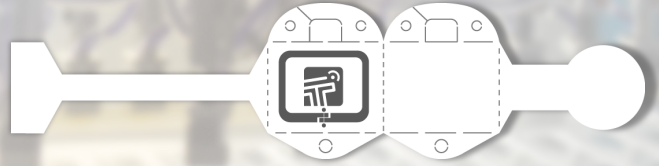
EOS-100

The Tageos EOS-100 is a wide-band Gen2 UHF RFID label with a short read range designed for Jewelry tagging. The label is die-cut to provide three different label shapes suitable for tagging earrings, rings, necklaces and watches.

APPLICATIONS



Jewelry



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 128 bits
Antenna size	14 x 11 mm / 0.55 x 0.43 in
Label size	100 x 26 mm / 3.94 x 1.02 in

LABEL CONFIGURATIONS



Rings & Necklaces



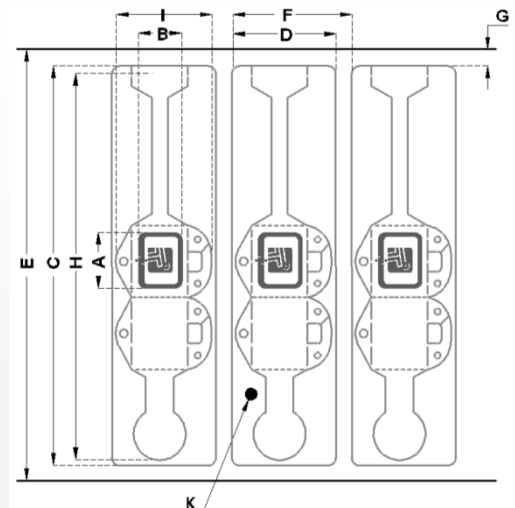
Earrings



Watches

MECHANICAL DIMENSIONS

DIMENSIONS	DESCRIPTION	METRIC	US
A x B	Antenna size	14 x 11 mm	0.55 x 0.43 in
C x D	Die-cut size	100 x 26 mm	3.94 x 1.02 in
E	Web width	106 mm	4.17 in
F	Pitch	30 mm ± 0,5 mm	1.18 in
G	Die-cut to web edge	3 mm	0.12 in
H x I	Label size	96 x 24 mm	3.78 x 0.94 in
K	Bad mark	Ø 4 mm	Ø 0.62 in



FEED DIRECTION →



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PRODUCT DATASHEET **EOS-100**

RFID CHIP SILICON

TAG SILICON	ALIEN HIGGS 4	IMPINJ MONZA R6	IMPINJ MONZA R6-P
Protocol	EPC Class 1 Gen 2	EPC Class 1 Gen 2	EPC Class 1 Gen 2
Operating frequency	860 – 960 MHz	860 – 960 MHz	860 – 960 MHz
EPC memory	Up to 128 bits	96 bits	Up to 128 bits
User memory	128 bits	-	Up to 64 bits
Operating temperature	-50°C / +85°C (-58°F / +185°F)	-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	Glossy white TT printable coated paper
Back face material	-
Adhesive	Solvent-free permanent acrylic adhesive
Final inspection	100% tested, defective tags marked

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 inside of roll
Standard roll size	2500 pcs
Minimum order quantity	One roll

CERTIFICATIONS & APPROVALS

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