



TAGEOS

PRODUCT DATASHEET

EOS-100

EOS-100 is a wide band Near Field UHF label operating between 860-960 MHz. It is suitable to identify jewels.



SPECIFICATIONS

- OPERATING FREQUENCY: 860 – 960 MHz
- INTEGRATED CIRCUIT: EPC Class 1 Gen 2
- EPC MEMORY: up to 480 bits (depending on the IC)
- USER MEMORY: up to 512 bits (depending on the IC)
- ANTENNA SIZE: 14 x 11 mm / 0.55 x 0.43 in
- DIE-CUT SIZE: 100 x 26 mm / 3.94 x 1.02 in



LAYERS

- BACKING PAPER WITH SILICONE
- PERMANENT ADHESIVE
- RFID PAPER INLAY WITH ALUMINIUM ANTENNA
- OPAQUE GLOSSY PRINTABLE PAPER

Headquarters: 515 rue Alfred Nobel
34000 Montpellier | FRANCE

Tageos, Inc.: 303 Twin Dolphin Dr. Suite 600
Redwood City, CA 94065 | USA

Email: contact@tageos.com
Tel: +33 4 67 99 99 50



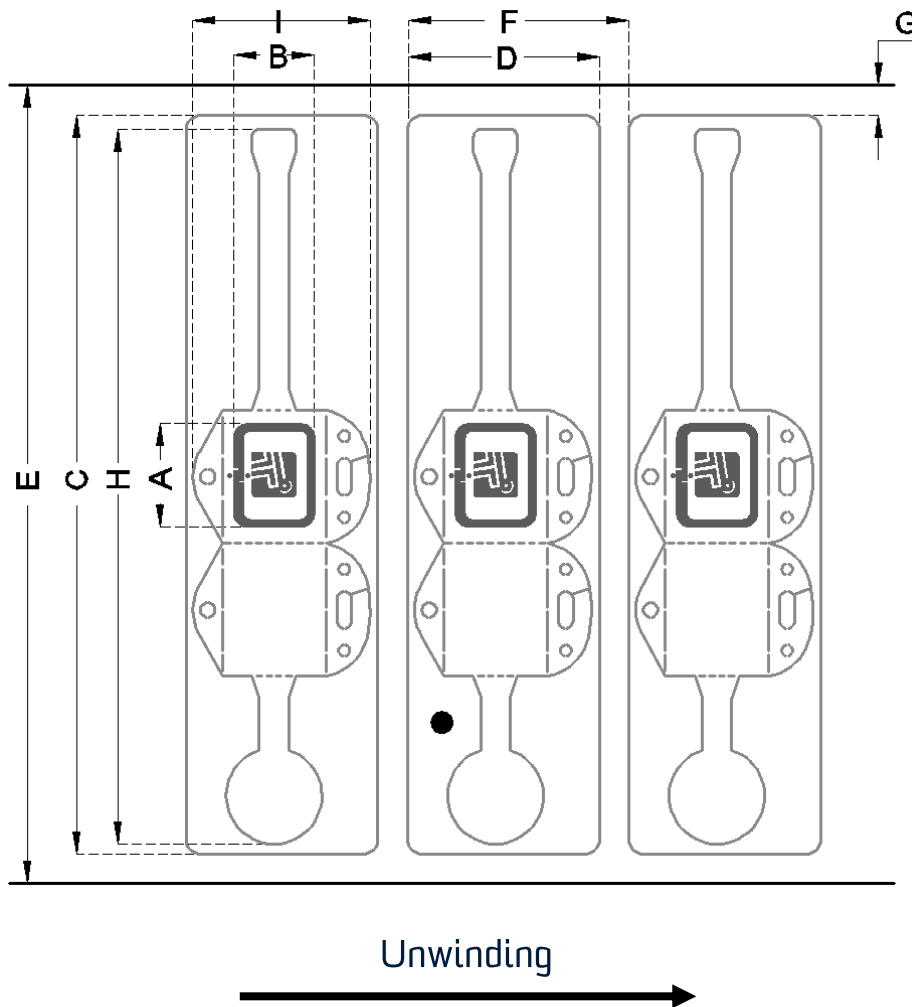
TAGEOS

PRODUCT DATASHEET

EOS-100

MECHANICAL DIMENSIONS

Dimensions	Description	Metrics	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
●	Bad mark	\varnothing 3 mm	\varnothing 0.12 in



Headquarters: 515 rue Alfred Nobel
34000 Montpellier | FRANCE

Tageos, Inc.: 303 Twin Dolphin Dr. Suite 600
Redwood City, CA 94065 | USA

Email: contact@tageos.com
Tel: +33 4 67 99 99 50



INTEGRATED CIRCUIT CHARACTERISTICS

Available IC	Alien Higgs 3	Alien Higgs 4	Impinj Monza 4D	NXP G2iL
IC's protocol	EPC Class 1 Gen 2			
Operation frequency	860 - 960 MHz			
EPC Memory	Up to 480 bits	Up to 128 bits	128 bits	128 bits
User Memory	512 bits	128 bits	32 bits	N/A
Operating temperature	-40°C / +85°C (-40°F / +185°F)	-50°C / +85°C (-58°F / +185°F)	-40°C / +85°C (-40°F / +185°F)	-40°C / +85°C (-40°F / +185°F)

DELIVERY FORMATS

Label format	Die-cut
Label antenna material	Aluminium
Label face material	Opaque glossy printable paper
Label adhesive	Solvent-free permanent adhesive
Final inspection	100% known bad ones marked

DELIVERY CONDITIONS

Appearance	Single row reel form
Reel core	Carton core, inner diameter 76 mm (3 in)
Reel size	2500 pieces/reel Ø 200 mm (7.87 in)
Minimum of command	1 reel of 2500 pieces
Winding of the reel	Face in

CERTIFICATIONS & APPROVALS



Zebra RP4T, RZ400 & R110Xi Placement Guidelines

STORAGE & HANDLING PRECAUTIONS: Observe standard storage and handling practices to minimize Electro Static Discharge.

DISCLAIMER: TAGEOS reserves the right to change its products and services at any time without notice. As our products are used in circumstances beyond our control, we cannot be held liable for any damages caused through their use. This is a general purpose product not designed or intended for any specific application. (updated: 2013-03-13)