



EOS-110 is a wide band Near Field UHF label operating between 860-960 MHz. It is suitable to identify small items like jewels or healthcare products for secure track&trace purposes.



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: 16 x 14 mm / 0.63 x 0.55 in

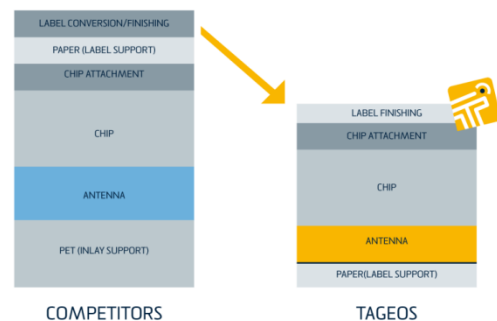


AVAILABLE FORMATS

- SELF-ADHESIVE TT PRINTABLE PAPER LABEL

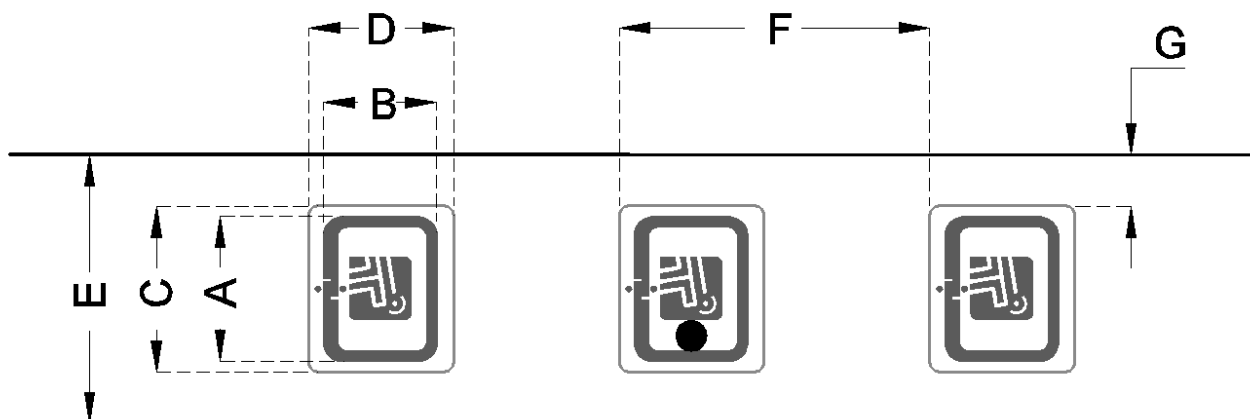
LAYERS FOR THE PAPER LABEL

- BACKING PAPER WITH SILICONE
- ADHESIVE
- ALUMINIUM ANTENNA
- PRINTABLE PAPER



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	16 x 14 mm	0.63 x 0.55 in
E	Web width	26 mm	1.02 in
F	Pitch	30 mm	1.18 in
G	Die-cut to web edge	5 mm	0.20 in
●	Bad mark	Ø 3 mm	0.12 in



Unwinding





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 (or Dry version on request)
Label antenna material	Aluminium
Label face material	Opaque mate 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 out

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

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