



Optimized UHF Tag for Retail and Apparel Applications

Beontag's Falcon tags are compact and especially designed to meet the needs of retailers. They are particularly suitable for item-level retail, logistics, and supply chain applications. These tags offer high read reliability, orientation sensitivity, and excellent performance even when stacked closely together.

Beontag's Falcon tags can be used worldwide, complying with both FCC and ETSI ranges. They are available in delivery formats such as dry or wet inlay and label. The label format is compatible with thermal transfer printing.

ANTENNA DIMENSIONS

50X30 mm



FOOD
RETAIL



APPAREL



SUPPLY CHAIN
MANAGEMENT



RAIN RFID TAG

Falcon

Falcon M830

PRODUCT SPECIFICATION

FREQUENCY BAND

860 MHz to 960 MHz

IC

M830 - Impinj

INTERNATIONAL STANDARDS

EPC global Gen2v2, ISO/IEC 18000-63

MEMORY CONFIGURATION

128 bits of EPC memory, 0 bits of User memory

TID MEMORY

96-bit / 48-bit unique serial number

OPERATING TEMPERATURE

-40°C to 85°C / -40°F to 185°F

INLAY SUBSTRATE

PET

ANTENNA DIMENSION

50 x 30mm / 1.97 x 1.18"

PITCH

36,69mm / 1.44"

CORE INNER DIAMETER

76mm / 3"

DRY INLAY

WET INLAY

LABEL

GLOBAL PRODUCT CODE

3004679

3004680

3004681

WEB WIDTH

58mm / 2.28"

60mm / 2.36"

60mm / 2.36"

FACE MATERIAL

NA

Clear PET

TT Paper

DIE-CUT DIMENSION

NA

54 x 33mm / 2.13 x 1.30"

54 x 33mm / 2.13 x 1.30"

QUALITY CHECK

100% tested

100% tested

100% tested

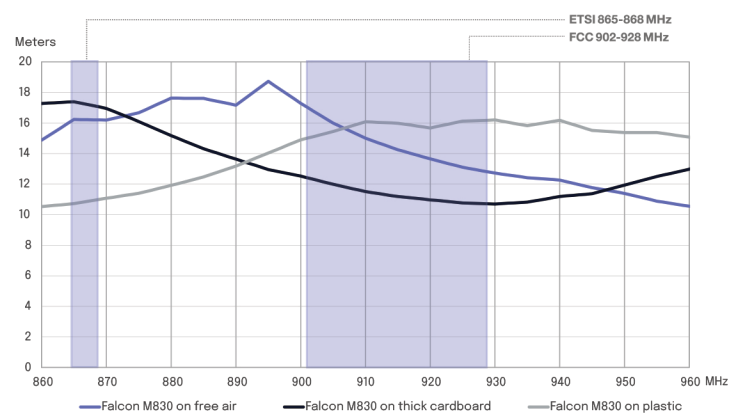
REEL/PACKAGE QUANTITY

15000 pcs/reel

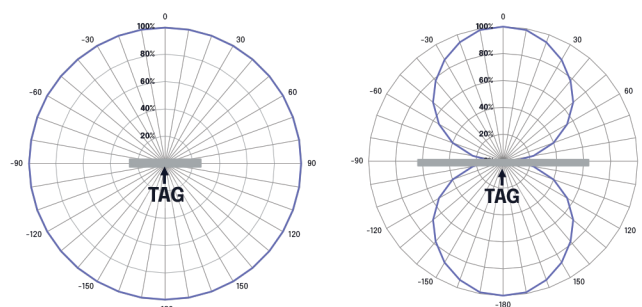
10000pcs /reel

3000pcs/reel (< 203mm / 8")

Theoretical read range forward



Orientation Sensivity in air



Falcon M730

PRODUCT SPECIFICATION

FREQUENCY BAND

860 MHz to 960 MHz

IC

M730 - Impinj

INTERNATIONAL STANDARDS

EPC global Gen2v2, ISO/IEC 18000-63

MEMORY CONFIGURATION

128 bits of EPC memory, 0 bits of User memory

TID MEMORY

96-bit / 48-bit unique serial number

OPERATING TEMPERATURE

-40°C to 85°C / -40°F to 185°F

INLAY SUBSTRATE

PET

ANTENNA DIMENSION

50 x 30mm / 1.97 x 1.18"

PITCH

36,69mm / 1.44"

CORE INNER DIAMETER

76mm / 3"

DRY INLAY

WET INLAY

LABEL

GLOBAL PRODUCT CODE

3005427

3005452

3005453

WEB WIDTH

58mm / 2.28"

60mm / 2.36"

60mm / 2.36"

FACE MATERIAL

NA

Clear PET

TT Paper

DIE-CUT DIMENSION

NA

54 x 33mm / 2.13 x 1.30"

54 x 33mm / 2.13 x 1.30"

QUALITY CHECK

100% tested

100% tested

100% tested

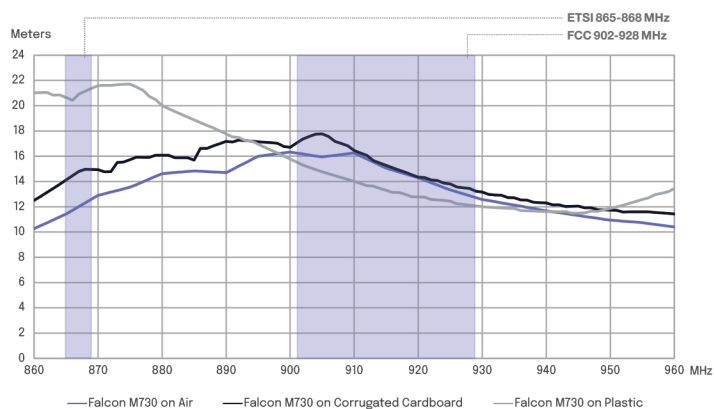
REEL/PACKAGE QUANTITY

15000 pcs/reel

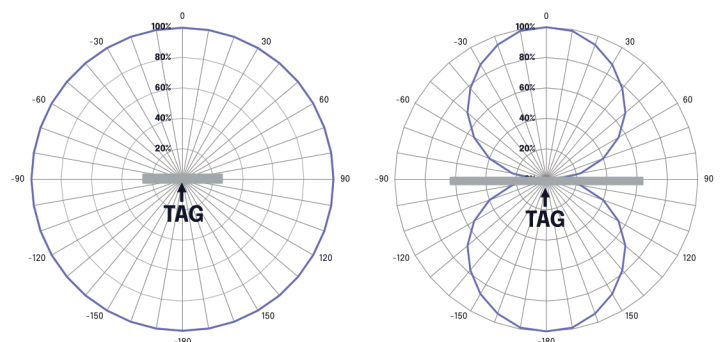
10000pcs /reel

3000pcs/reel (< 203mm / 8")

Theoretical read range forward



Orientation Sensivity in air



Falcon U9

PRODUCT SPECIFICATION

FREQUENCY BAND

860 MHz to 960 MHz

IC

U9 - NXP

INTERNATIONAL STANDARDS

EPC global Gen2v2, ISO/IEC 18000-63

MEMORY CONFIGURATION

96 bits of EPC memory, 0 bits of User memory

TID MEMORY

96-bit / 48-bit unique serial number

OPERATING TEMPERATURE

-40°C to 85°C / -40°F to 185°F

INLAY SUBSTRATE

PET

ANTENNA DIMENSION

50 x 30mm / 1.97 x 1.18"

PITCH

36,69mm / 1.44"

CORE INNER DIAMETER

76mm / 3"

DRY INLAY

WET INLAY

LABEL

GLOBAL PRODUCT CODE

3005400

3005450

3005451

WEB WIDTH

58mm / 2.28"

60mm / 2.36"

60mm / 2.36"

FACE MATERIAL

NA

Clear PET

TT Paper

DIE-CUT DIMENSION

NA

54 x 33mm / 2.13 x 1.30"

54 x 33mm / 2.13 x 1.30"

QUALITY CHECK

100% tested

100% tested

100% tested

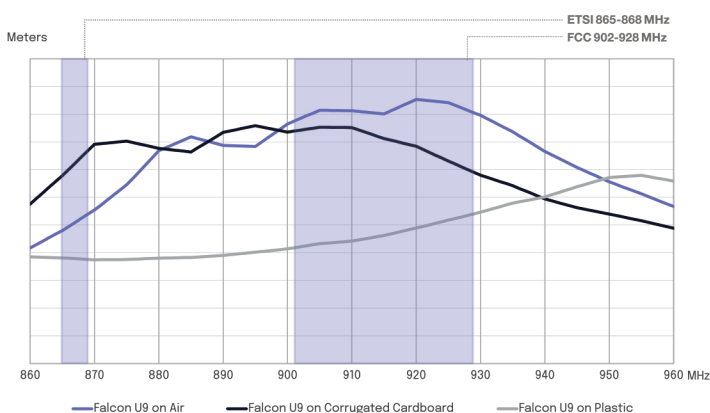
REEL/PACKAGE QUANTITY

15000 pcs/reel

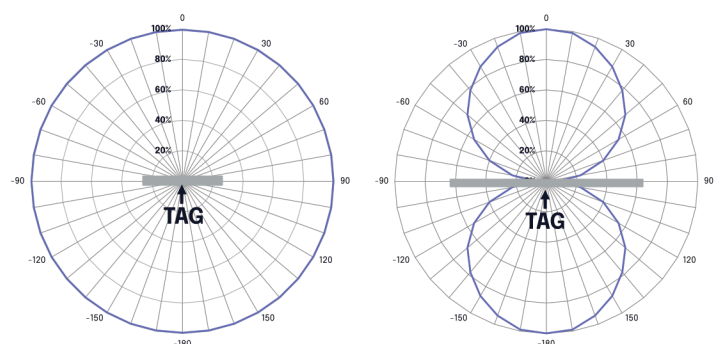
10000pcs /reel

3000pcs/reel (< 203mm / 8")

Theoretical read range forward



Orientation Sensivity in air



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About Beontag

From the science of graphic and label materials, RFID and wireless IoT enablers, we create solutions across the value chain to deliver digital transformation for businesses around the world.

Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

Beontag is one of the world's leading providers of RFID and wireless IoT solutions, being present in more than 40 countries with 7 R&D centers and 2,000 employees, in constant development of technological and sustainable solutions designed to connect items, and gain efficiency and end-to-end traceability

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