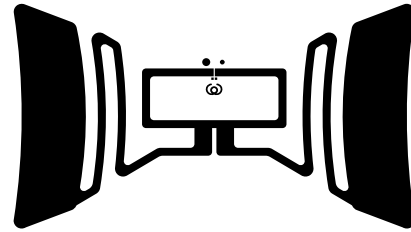


INVENGO BUTTERFLY™ LABEL



100% of real size

Impinj Monza 5



About Invengo's Butterfly™

The Invengo Butterfly tags and inlays, equipped with the Impinj Monza™ 5 IC's, are designed to enable end-users to reach and sustain high levels of performance in all global RAIN RFID (UHF) frequency regions. Within the area of item-level retail, logistics, and supply chain applications, Invengo's Butterfly tag and inlays can be called one of the best in class and are approved in most University of Auburn categories.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and HF/NFC connectivity solutions and consumables (tags & inlays) utilized in the Internet of Things. With a focus on RFID innovation, Invengo has created a leading product line in retail, (industrial) laundry, library, (public) transportation, healthcare and many other industries.

Invengo Technology Pte. Ltd. (SG) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID oriented companies in the world.

Key Benefits

- High performance product for item-level tagging in retail
- Ideal, compact shape for apparel hang tags
- University of Auburn approved
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Item Level Retail
- Logistics
- Supply Chain Management

Product Specifications

RFID

Protocols Supported	EPCglobal C1 Gen 2, ISO/IEC18000-63
Integrated Circuit (IC)	Impinj Monza 5
Operating Frequency	840 to 960MHz
EPC size	128 bits
TID	32 bits and 48 bits serialized number
Access password	32 bits
Kill password	32 bits

Environmental

Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Recommended	-20°C to 77°C (-4°F to 122°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Recommended	25°C (77°F)
Shelf Life	Min. 2 yrs from date manufacturing in 20°C (68°F) @ 50% RH
Bending Diameter	> 50 mm, tension max. 10 N
Static Pressure	<10 MPa (10 N/mm ²)
ESD	± 2000V peak
Adhesive	Acrylic
Data retention	50 years
Endurance	100.000 cycles

Dimensions

Antenna Size (A x B)	50 x 30 mm (1.97 x 1.18 in)
Die-cut Size (C x D)	55 x 33 mm (2.17 x 1.30 in)
Web Width (E)	58 mm (2.28 in)
Pitch (F)	36 mm (1.42 in)
PET Thickness	0,05 mm (0.002 in)
Antenna Thickness	0,009 mm (0.0003 in)
Die-cut to edge (G)	2 mm (0.08 in)
Core Size (H)	76 mm (3 in)

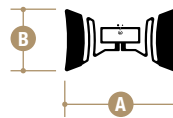
Certifications

ARC Approval Categories	Spec: A-B-C-D-G-F-N-K-Q
Retail Approval	Macy's, Target

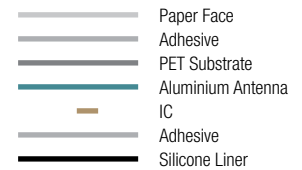
Order Information

Product code	XC-TF8024-C13-FPI
Packaging	Carton boxes
Box Size	265x253x180mm (10.43 x 9.96 x 7.09 in)
Weight	± 1,3 kg (2.87 lbs)/roll ± 3,0 kg (6.61 lbs)/box
Quantity pc p/roll; roll p/box	2500 pcs/roll; 2 rolls/box

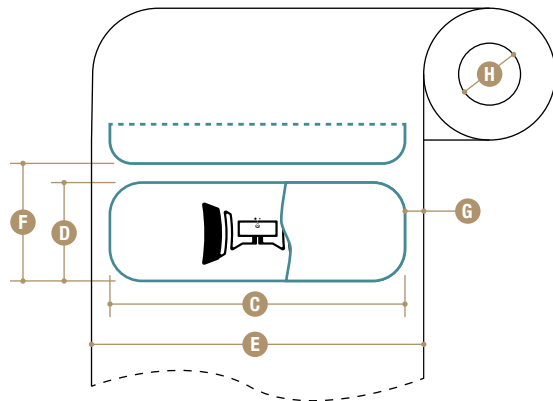
Inlay Design



Inlay Stackup



Winding / Dimensions



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