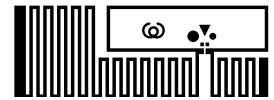


INVENGO SCORPION WET INLAY



150% of real size

Impinj Monza 5



About Invengo's Scorpion

The Invengo Scorpion tags and inlays equipped with the Impinj Monza 5 are designed to enable end-users to reach and sustain high levels of performance in all global RAIN RFID (UHF) frequency regions. The Invengo Scorpion is specially designed for cosmetic and medical applications. The small size allows it to be easily integrated in cosmetic and medicine packaging or small-sized hang-tags.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID 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 / IoT oriented companies in the world.

Key Benefits

- High performance product for item-level tagging
- Compact design optimized for packaging integration
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Brand Protection
- Retail
- Cosmetics
- Medicine

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	32bits model number 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 50°C (-4°F to 122°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

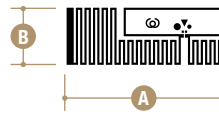
Dimensions

Antenna Size (A x B)	22 x 8 mm (0.66 x 0.32 in)
Die-cut Size (C x D)	25 x 11 mm (0.98 x 0.43 in)
Web Width (E)	29 mm (1.14 in)
Pitch (F)	21 mm (0.827 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)

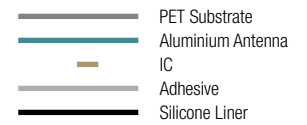
Order Information

Product code	XCTF-8039-C13-FSI
Packaging	Carton boxes
Quantity pc p/roll; roll p/box	2500 pcs/roll; 8 rolls/box
Yield rate	≥ 96%

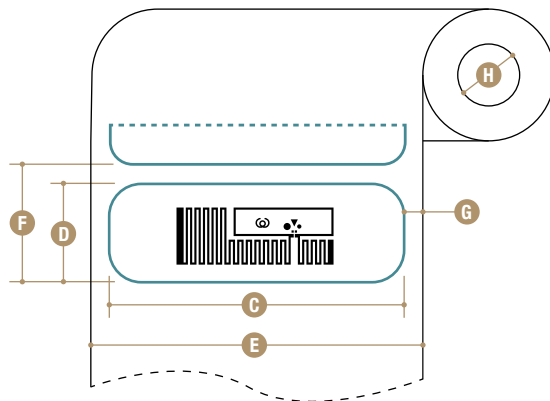
Inlay Design



Inlay Stackup



Winding / Dimensions



APAC

Invengo Technology Pte. Ltd

10 Kallang Avenue
#05-15 Tower 2, Aperia
Singapore 339510

Office: +65 6702 3909
sales.apac@invengo.com

Americas

Invengo Technology Corp.

2700-160 Sumner Blvd.
Raleigh, NC 27616
United States of America

Office: +1 919 890 0202
sales.americas@invengo.com

EMEA

Invengo Technologies

180 Voie Ariane – Athélia 1
13600 La Ciotat
France

Office: +33 413 96 1111
sales.emea@invengo.com