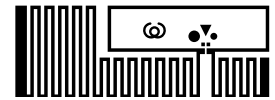


# INVENGO SCORPION WET INLAY



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

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

## Environmental

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

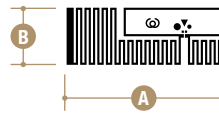
## Dimensions

<b>Antenna Size (A x B)</b>	22 x 8 mm (0.66 x 0.32 in)
<b>Die-cut Size (C x D)</b>	25 x 11 mm (0.98 x 0.43 in)
<b>Web Width (E)</b>	29 mm (1.14 in)
<b>Pitch (F)</b>	21 mm (0.827 in)
<b>PET Thickness</b>	0,05 mm (0.002 in)
<b>Antenna Thickness</b>	0,009 mm (0.0003 in)
<b>Die-cut to edge (G)</b>	2 mm (0.08 in)
<b>Core Size (H)</b>	76 mm (3 in)

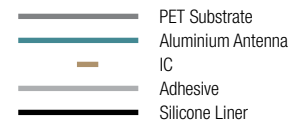
## Order Information

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

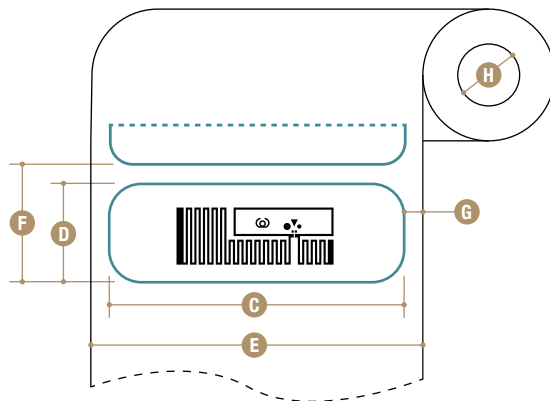
## Inlay Design



## Inlay Stackup



## Winding / Dimensions



## APAC

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