Invengo

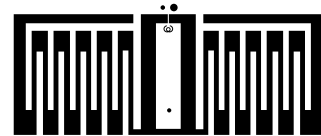# INVENGO BULLET
LABEL

Impinj Monza R6P

About Invengo's Bullet

The Invengo Bullet tags and inlays, equipped with the Impinj Monza™ R6P 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 retail, smart packaging and supply chain management solutions, Invengo's Bullet tag and inlays can be called one of the best in class.

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

- Optimized size for small size hang tags
- Ideal inlay for tagging product boxes
- Extended TID Header
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Retail
- Supply Chain Management
- Packaging

Product Specifications

RFID

Protocols Supported	EPCglobal C1 Gen 2, ISO/IEC18000-63
Integrated Circuit (IC)	Impinj Monza R6P
Operating Frequency	840 to 960MHz
EPC size	128-bits of EPC memory
TID	Serial Number - 48 bits
Access password	Extended TID Header - 16 bits
	Company/Model Number - 32 bits
	A total of 96 bits
Kill password	32bits
	32bits

Environmental

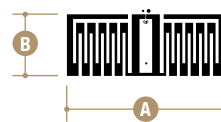|	
Operating Temperature	-40℃ to 85℃ (-40℉ to 185℉)
Recommended	-20℃ to 77℃ (-4℉ to 122℉)
Storage Temperature	-40℃ to 85℃ (-40℉ to 185℉)
Recommended	25℃ (77℉)
Shelf Life	Min. 2 yrs from date manufacturing in 20℃ (68℉) @ 50% RH
Bending Diameter	> 50 mm, tension max. 10 N
Static Pressure	<10 MPa (10 N/mm2)
ESD	± 2000V peak
Adhesive	Acrylic
Data retention	50 years
Endurance	100.000 cycles

Dimensions

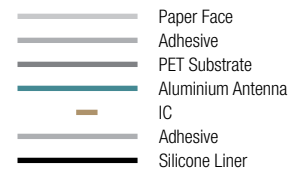|	
Antenna Size (A x B)	41 x 16 mm (1.61 x 0.63 in)
Die-cut Size (C x D)	44.5 x 19 mm 1.75 x 0.74 in)
Web Width (E)	49 mm (1.93 in)
Pitch (F)	22,8 mm (0.90 in)
PET Thickness	0,05 mm (0.002 in)
Antenna Thickness	0,009 mm (0.0003 in)
Die-cut to edge (G)	2 mm (0.08 in)
Core Size (H)	76 mm (3 in)

Order Information

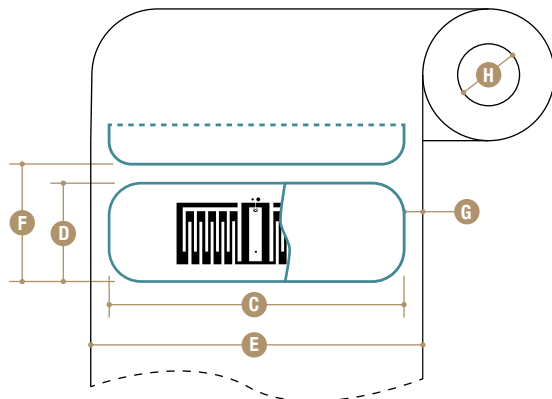|	
Product code	XC-TF8013-C105-FPI
Packaging	Carton boxes
Box Size	265×253×180mm
	(10.43 x 9.96 x 7.09 in)
Weight	± 1,12 kg (2.47 lbs)/roll
	± 3,7 kg (8.16 lbs)/box
Quantity pc p/roll; roll p/box	4000 pcs/roll; 3 rolls/box

Inlay Design

Inlay Stackup

Paper Face
Adhesive
PET Substrate
Aluminium Antenna
IC
Adhesive
Silicone Liner

Winding / Dimensions