

## Iron-Marc

UHF RFID Inlays



### GENERAL CHARACTERISTICS:

**Operating Frequency:** Global (860 - 960MHz)

**RF Protocol:** ISO-18000-6C, EPC Class 1, Gen 2

**Chip:** IMPINJ Monza R6 / R6-P

**EPC Memory:** 96 / 128 bits auto serialized

**USER Memory:** NA / 32 bits

**TID Memory:** 64 bit with 48 bit unique serial number

### COMMON APPLICATIONS:

- High read range needed applications
- Supply chain, inventory and logistics
- Sport timing systems (2mm spacer)
- On metal applications (2mm spacer)

FORMAT	DRY INLAY	WET / WHITE WET INLAY
Antenna dimensions (Width x Length)	102 x 20mm	N/A
Die- cut dimensions	N/ A	104 x 22mm
Inlay substrate material	PET	PET
Inlay- to- liner adhesive	N/ A	RC15 (UPM)
Liner material	N/ A	Honey Glassine 65 (UPM)
Face sheet	N/ A	White or clear Polypropylene / Vellum paper
Standard pitch	25,066mm	25.066mm
Standard web width	110mm [4.33 in]	108mm
Total thickness over chip	177.8 - 203.2 microns	254 - 330.2 microns
Operating temperature	-40 to 85° C [-40 to 185°F]	-40 to 85° C [-40 to 185°F]
RoHS	EU Directive 2011/65 EU Compliant	EU Directive 2011/65 EU Compliant
Quality assurance	100% read tested with out- of- tolerance inlay marked	100% read tested with out- of- tolerance inlay marked
Un- wind direction	Inlay- side Out	Label side out
Core size with adaptor insert	152.4mm [6 in]	76.2 mm [3 in]
Maximum roll outer diameter (not to exceed)	431.8mm [17 in]	304.8mm [12 in]
Average # of units per roll	TBD	TBD

**Minimum order quantity for customized labels, tickets, care labels (textile labels):** 10.000 pcs

**CARE AND HANDLING** RFID inlays are sensitive to ESD. Observe standard practices to keep environmental static charge to a minimum.

**APPLICATIONS** This product should be tested by the customer/ user thoroughly under end use conditions to ensure the product meets the particular requirements. Trace-ID does not represent that this product is fit for any particular purpose or use.

**PRODUCT CHANGES** Trace-ID reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

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