



FT-G1223 RFID Inlays

– NXP ISO Card Type

The NXP ISO Card Type Inlays are general purpose RFID inlays optimized for use of ISO Card form factor tagging applications.



- > EPC Class 1 Gen2 / ISO 18000-6C
- > Optimized for use of ISO Card form factor tag package
- > World Tag operated at global frequencies 860-960 MHz
- > Available in high-yield, high-capacity rolls for high –volume converting processes
- > NXP UCODE IC, 240-bit EPC number, with option 512-bit on-chip user memory

RF Features

Operating frequency	Global (860-960 MHz)
Mode of operation	Passive (battery free)

Electrical Characteristics

Protocol	EPC Class 1 Gen2 / ISO 18000-6C
Memory	240-bit EPC number Option: 512-bit on-chip user memory

Inlay Material

Antenna	Copper, 6um ± 1um
UHF IC	Silicon, 150um ± 15um
Substrate	PET, 50um ± 5um

Inlay Roll Format/Finishing

Core length	45mm
Core inner diameter	3" (76.2mm)
Core material	Chipboard or Favite approved material
Max roll outer diameter	11.8" (300mm)

ESD & Inlay Handling

Human body model	1.5KV
Charged device mode	1.5KV

Dry Inlay Specification

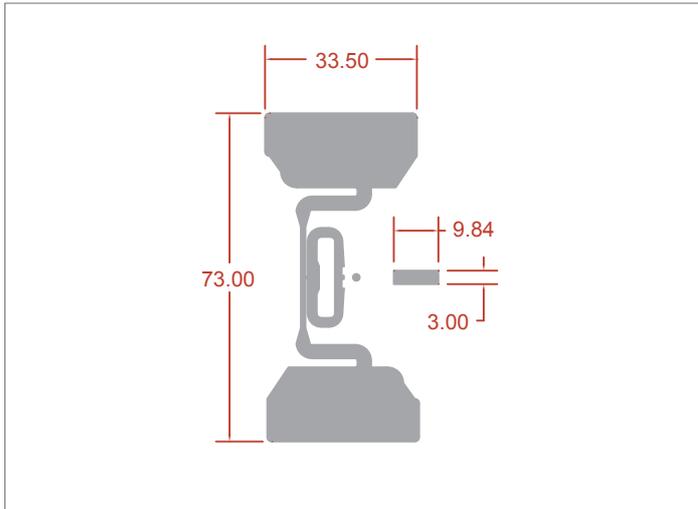
Antenna dimension (CDxMD)	33.5mm x 73mm
Standard pitch	76.2mm
Web width	43mm
Slit edge	4.75mm
Max units per roll	10,000

Wet Inlay Specification

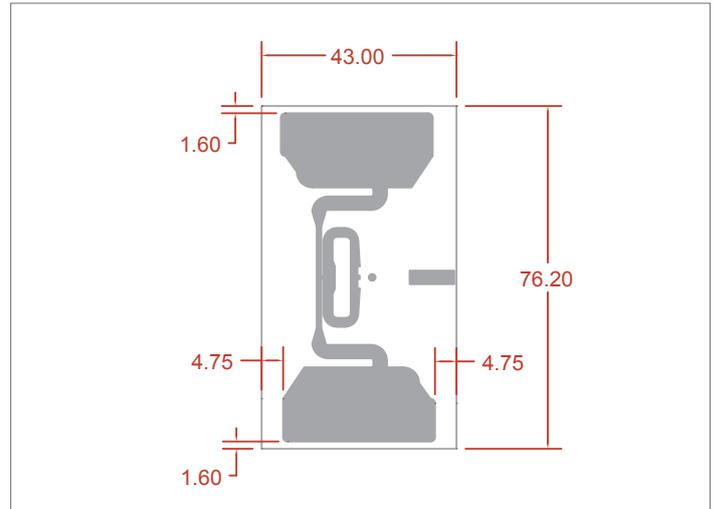
Antenna substrate dimension (CDxMD)	43mm x 76.2mm
Standard pitch	78.4mm
Web width	47mm
Inlay to liner adhesive	Acrylic Emulsion
Liner material	60um supercalendered glassine
Max units per roll	6,000

Environmental Specification

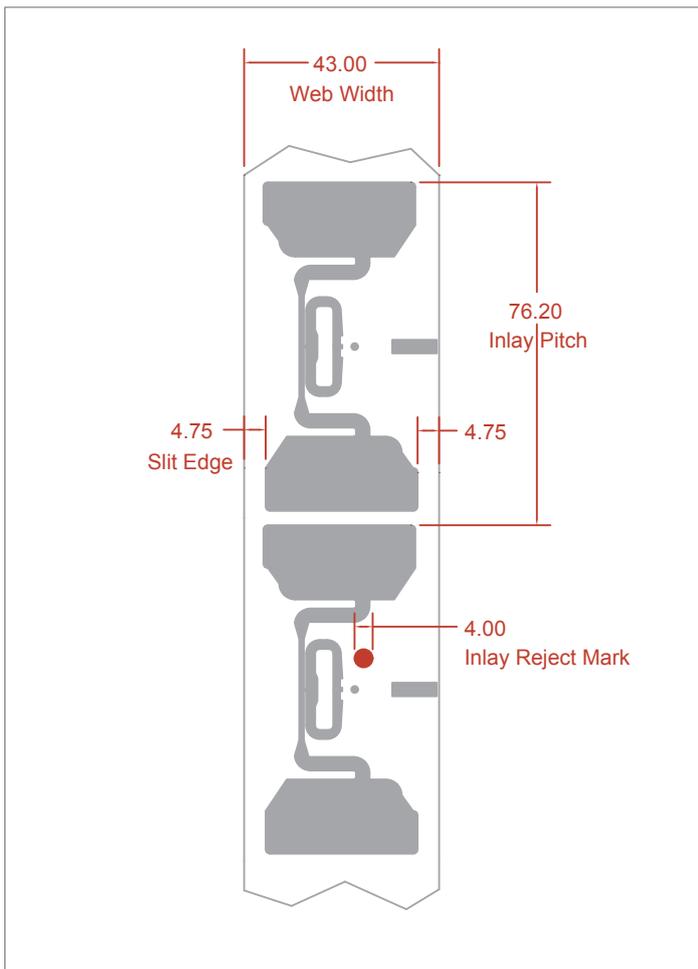
Shelf life	2 Years
Recommended storage	-25°C to +50°C
Condition	20% to 90%RH
Operation temperature	-40°C to +65°C
RoHs	2002/95/EC Compliant

FT-G1223 Inlay General Dimensions


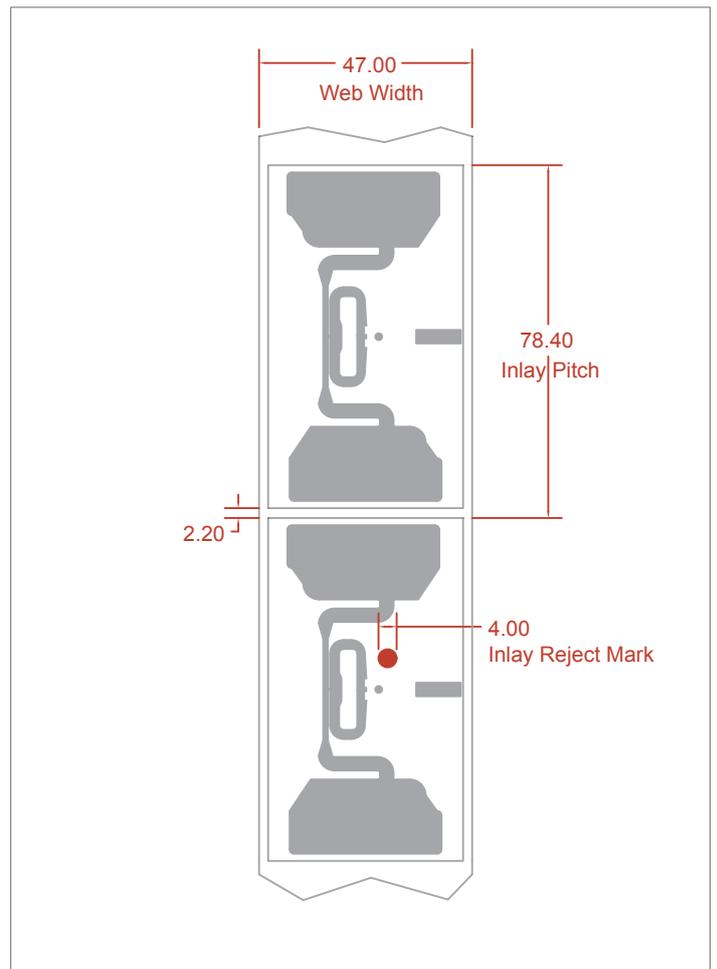
FT-G1223 (Dry Inlay)



FT-G1223 (Wet Inlay)

FT-G1223 Inlay Roll Dimensions


FT-G1223 (Dry Inlay)



FT-G1223 (Wet Inlay)

All Dimensions in mm

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