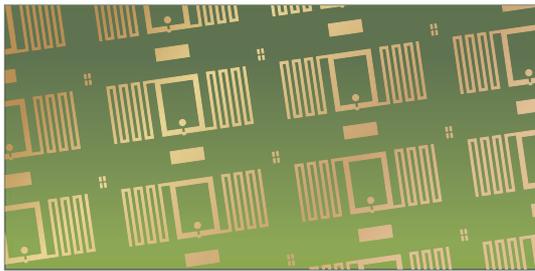




# FT-G1215 RFID Inlays

## – NXP Small Form Factor Type

The NXP Small Form Factor Type Inlays are medium read range RFID inlays optimized for use in item-level and case tagging with small form factor requirement applications.



- EPC Class 1 Gen2 / ISO 18000-6C
- Works on Item-level and case tagging with small form factor requirement
- 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 752-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 bits EPC number Option: 752 bits 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

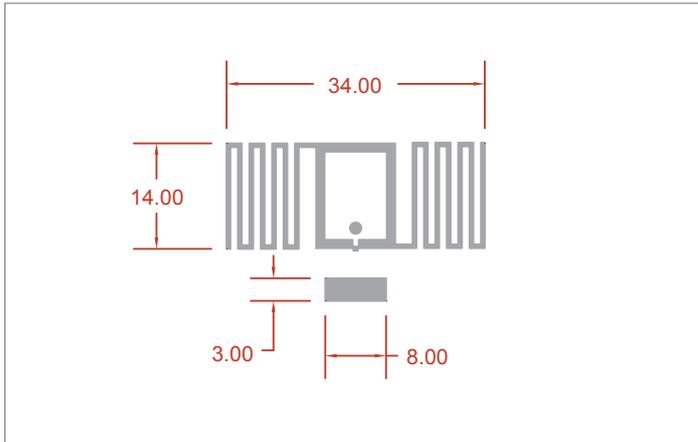
Antenna dimension (CDxMD)	34mm x 14mm
Standard pitch	25.4mm
Web width	42.5mm
Slit edge	4.3mm
Max units per roll	35,000

### Wet Inlay Specification

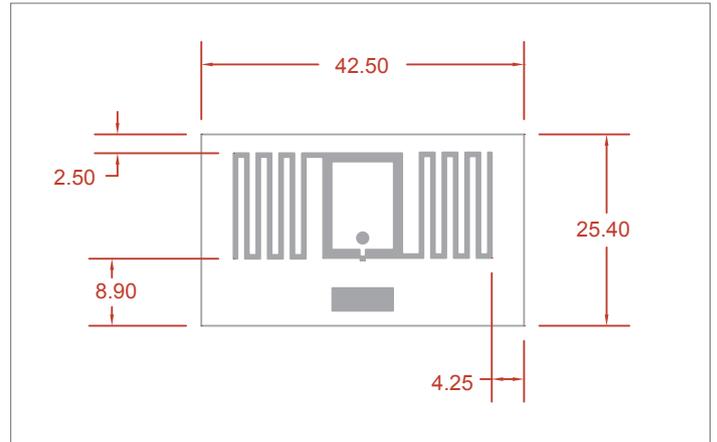
Antenna substrate dimension (CDxMD)	42.5mm x 25.4mm
Standard pitch	27.6mm
Web width	47mm
Inlay to liner adhesive	Acrylic Emulsion
Liner material	60um supercalendered glassine
Max units per roll	10,000

### Environmental Specification

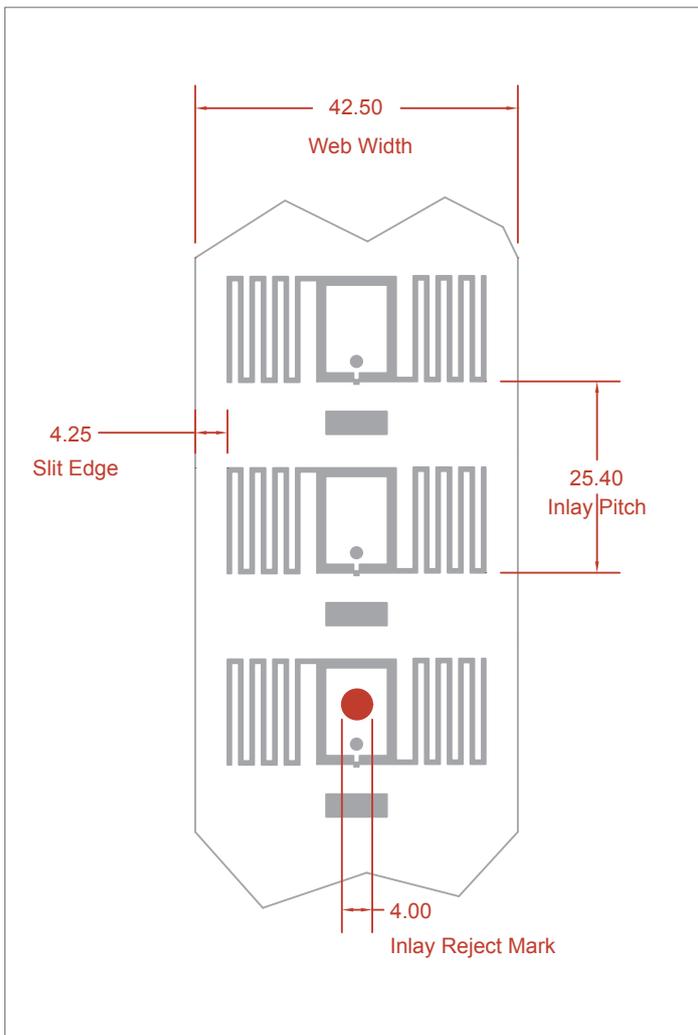
Shelf life	2 Years
Recommended storage	-25°C to +50°C
Condition	20% to 90%RH
Operation temperature	-40°C to +65°C
RoHs	2002/95/EC Compliant

**FT-G1215 Inlay General Dimensions**


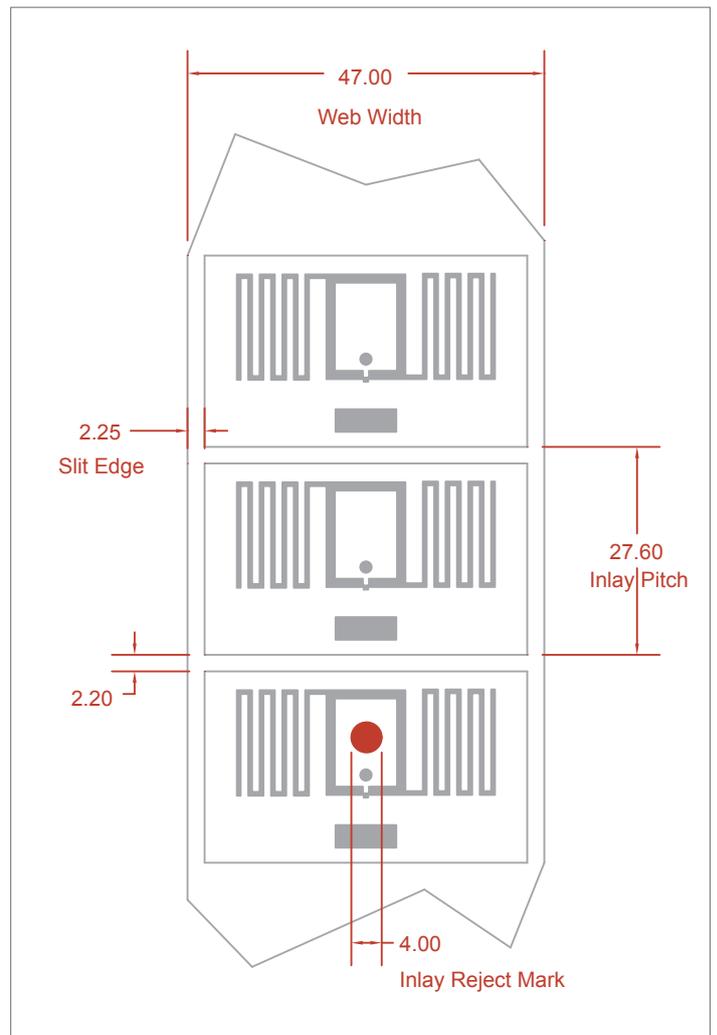
FT-G1215 (Dry Inlay)



FT-G1215 (Wet Inlay)

**FT-G1215 Inlay Roll Dimensions**


FT-G1215 (Dry Inlay)



FT-G1215 (Wet Inlay)

All Dimensions in mm

Doc.No.: FT-G1215-20090915-V1-1

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