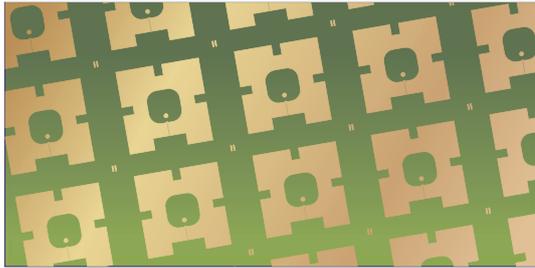




FT-G1217 RFID Inlays

– NXP Near Field Type

The NXP Near Field Type Inlays are general purpose RFID inlays optimized for use in near field item-level tagging applications.



- EPC Class 1 Gen2 / ISO 18000-6C
- Near field read ranges, works on liquids or under liquids
- 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

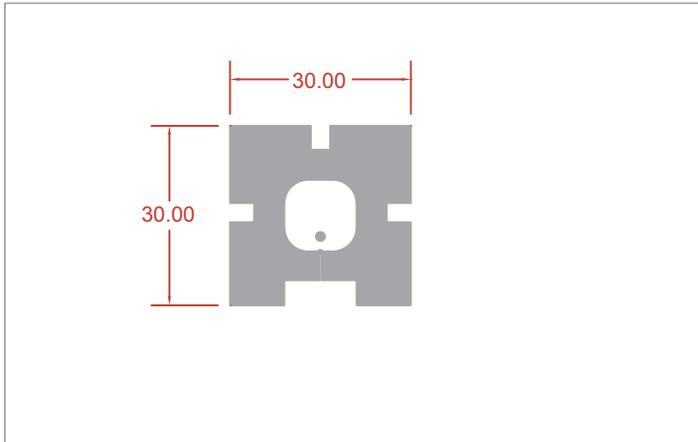
Antenna dimension (CDxMD)	30mm x 30mm
Standard pitch	38.1mm
Web width	43mm
Slit edge	6.5mm
Max units per roll	20,000

Wet Inlay Specification

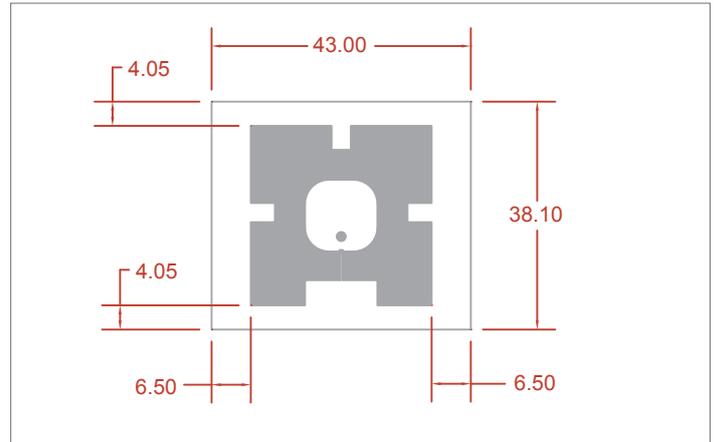
Antenna substrate dimension (CDxMD)	43mm x 38.1mm
Standard pitch	40.3mm
Web width	47mm
Inlay to liner adhesive	Acrylic Emulsion
Liner material	60um supercalendered glassine
Max units per roll	6,000

Environmental Specification

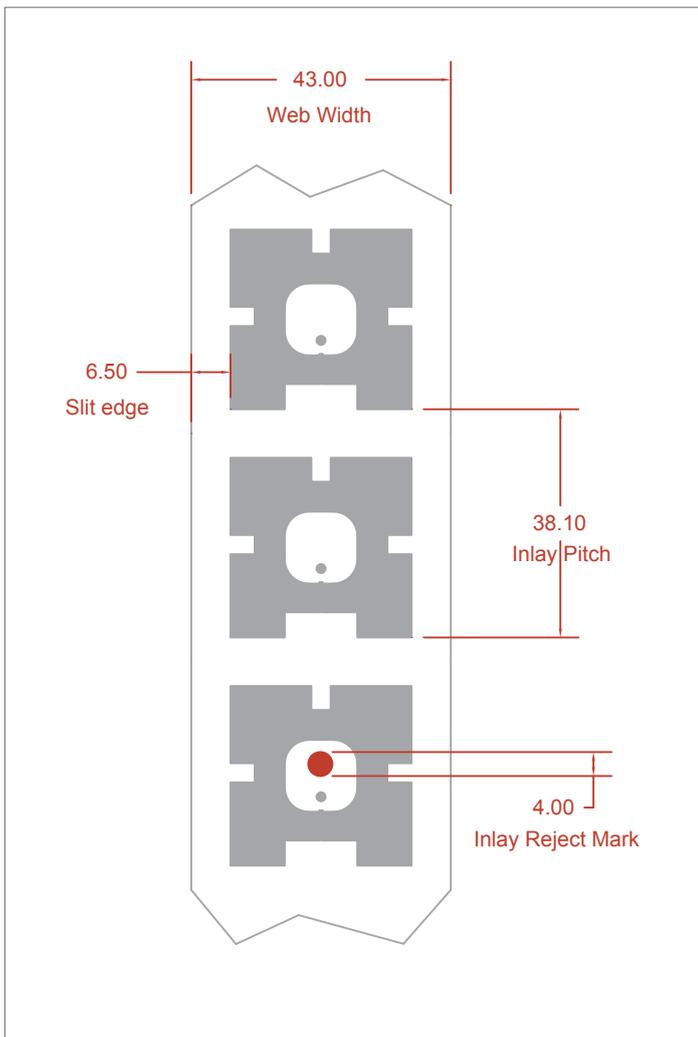
Shelf life	2 Years
Recommended storage	-25°C to +50°C
Condition	20% to 90%RH
Operation temperature	-40°C to +65°C
RoHs	2002/95/EC Compliant

FT-G1217 Inlay General Dimensions


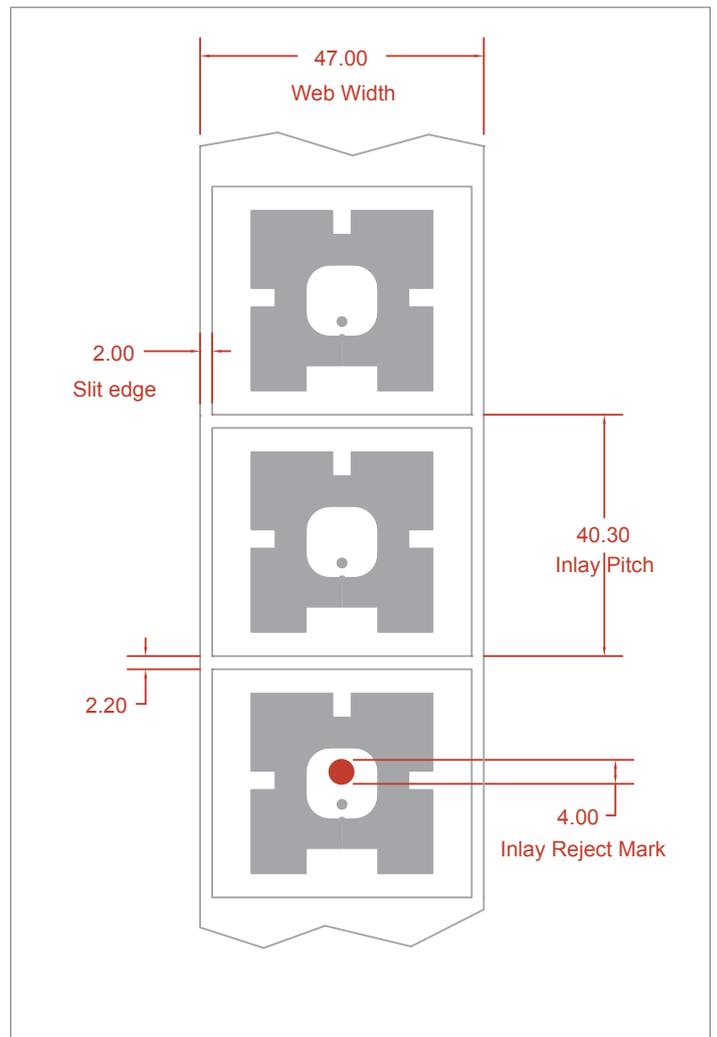
FT-G1217 (Dry Inlay)



FT-G1217 (Wet Inlay)

FT-G1217 Inlay Roll Dimensions


FT-G1217 (Dry Inlay)



FT-G1217 (Wet Inlay)

All Dimensions in mm

Doc.No.: FT-G1217-20090915-V1-1

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