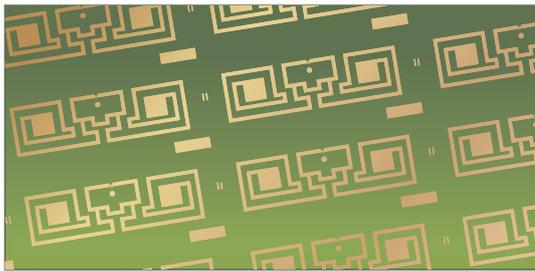




# FT-G1212 RFID Inlays

## – NXP Plastic Type

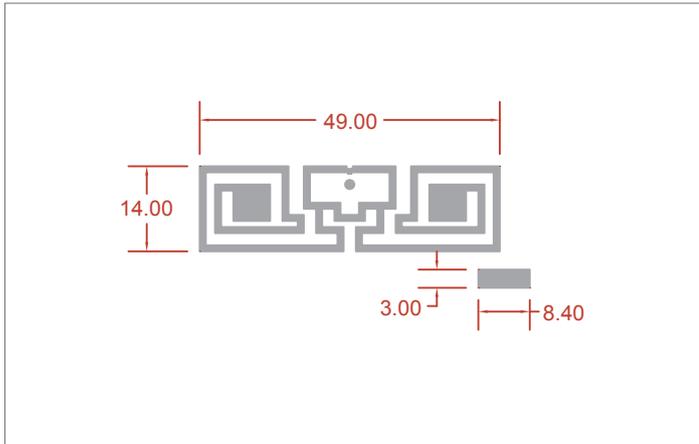
The NXP Plastic Type Inlays are general purpose RFID inlays optimized for use in plastic bag applications.



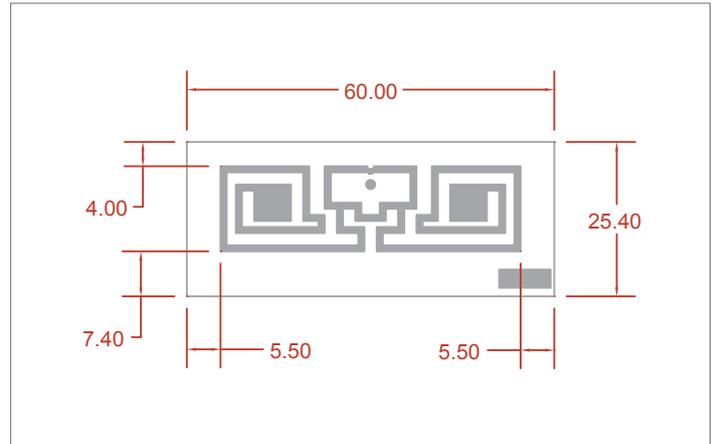
- EPC Class 1 Gen2 / ISO 18000-6C
- Works on plastic bag material
- World Tag operated at global frequencies 860-960 MHz
- Available in high-yield, high-capacity rolls for high –volume converting processes
- NXP UCODE IC, 240-bit EPC number, with option 752-bit on-chip user memory

RF Features		Dry Inlay Specification	
Operating frequency	Global (860-960 MHz)	Antenna dimension (CDxMD)	49mm x 14mm
Mode of operation	Passive (battery free)	Standard pitch	25.4mm
		Web width	60mm
		Slit edge	5.5mm
		Max units per roll	30,000
Electrical Characteristics		Wet Inlay Specification	
Protocol	EPC Class 1 Gen2 / ISO 18000-6C	Antenna substrate dimension (CDxMD)	60mm x 25.4mm
Memory	240 bits EPC number Option: 752-bit on-chip user memory	Standard pitch	27.6mm
		Web width	70mm
		Inlay to liner adhesive	Acrylic Emulsion
		Liner material	60um supercalendered glassine
		Max units per roll	8,000
Inlay Material		Environmental Specification	
Antenna	Copper, 6um ± 1um	Shelf life	2 Years
UHF IC	Silicon, 150um ± 15um	Recommended storage	-25°C to +50°C
Substrate	PET, 50um ± 5um	Condition	20% to 90%RH
		Operation temperature	-40°C to +65°C
		RoHs	2002/95/EC Compliant
Inlay Roll Format/Finishing			
Core length	62mm		
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		

FT-G1212 Inlay General Dimensions

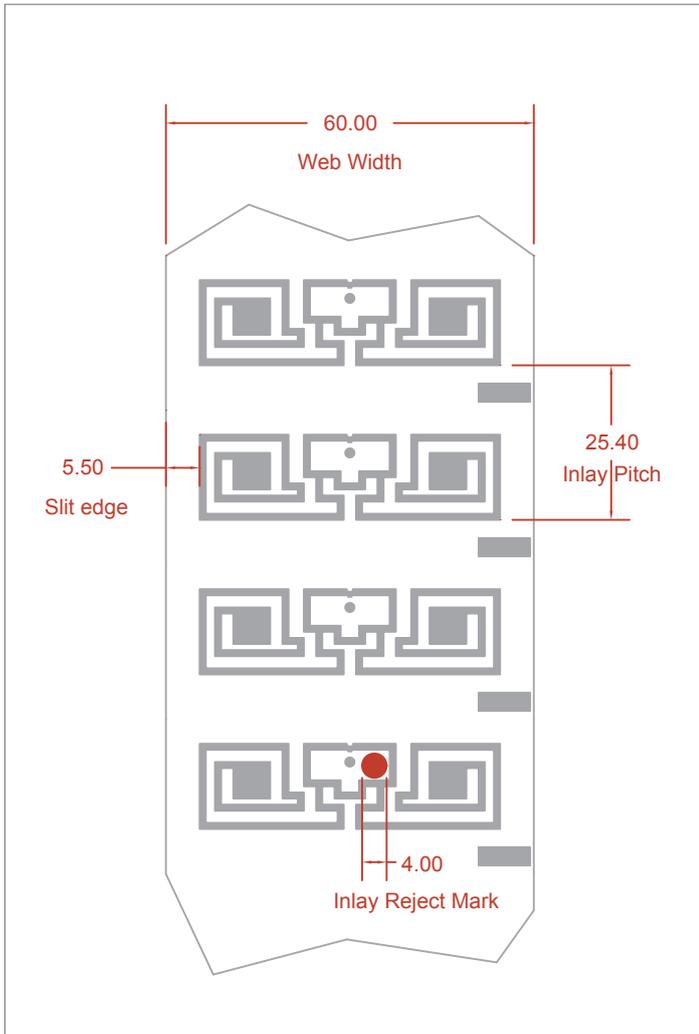


FT-G1212 (Dry Inlay)

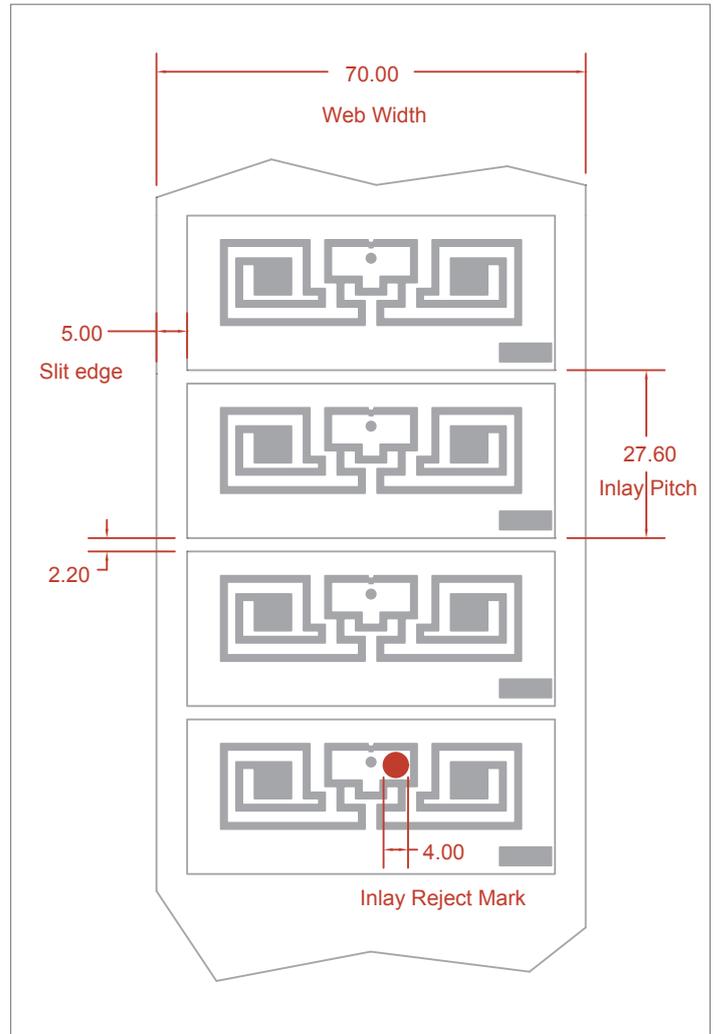


FT-G1212 (Wet Inlay)

FT-G1215 Inlay Roll Dimensions



FT-G1212 (Dry Inlay)



FT-G1212 (Wet Inlay)

All Dimensions in mm

Doc.No.: FT-G1212-20090915-V1-1

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