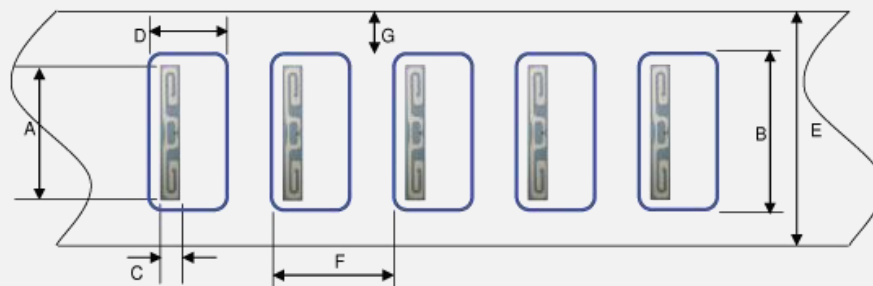


MiRFID UHF LABEL

Mi-LU-GSJAB-1145



MECHANICAL DIMENSIONS

A	Antenna Width	99.0 ± 0.5	mm
B	Label Width	100.0 ± 0.5	mm
C	Antenna Length	11.0 ± 0.5	mm
D	Label Length	45.0 ± 0.5	mm
E	Web Width	108.0 ± 1.0	mm
F	Label Pitch	50.0 ± 0.5	mm
G	Label To Web Edge	4.5 ± 0.5	mm

FEATURES

Applications	• General Purpose Long Range, Item Tracking and Inventory
Operating Distance	Typically ~ 9m on air (9dbi antenna) Typically ~ 2.8m on air using Mi870E Handheld Reader
Frequency	860-960 MHz
Transmission	Passive
RF Air Protocol	EPC Class 1 Gen 2 Compliant
Functions	• Anti-Collision: Slotted Aloha • Multiple Read Capability: 50 tags/seconds (ID Read) • Multiple Read Capability: 500 tags/seconds (EPC Read)
Chip	• NXP G2XL
Memory	• 128 bits EPC Memory
AFI	YES
Write Protection	Block Wise
Static Pressure	10 N/mm ²

A Product of:



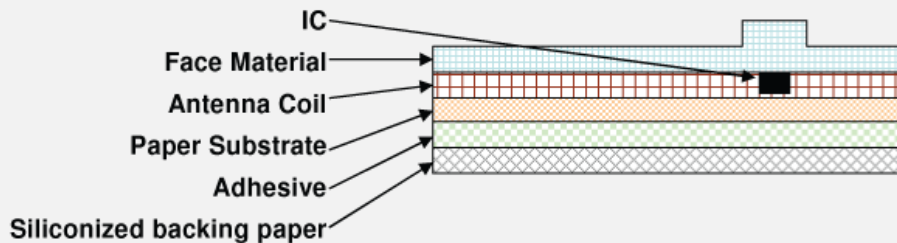
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DELIVERY FORM

Physical Characteristics	Flexible Substrate	
Substrate Type & Heat Resistance	Option 1: 50µm Polyester (PET)	±0.1% shrinkage at 150°C for 1 min
	Option 2: 50µm Polyimide (PI)	±0.1% shrinkage at 250°C for 1 min
	Option 3: 50µm Paper	±0.3% shrinkage at 150°C for 1 min
Antenna	MiRFID™ UG-NS-N-F9510 Antenna	
Antenna Material	Printed Antenna (Metal Ink)	
Operating Temperature	-20°C to 85°C	
EAS	YES	
Write Endurance Cycle	100,000 cycles	
Data Retention	Typical 10 years	
Tag Format	Die-cut	
Tag Face Material	Opaque Matt Paper 79	
Tag Backing Material	Siliconized Paper 56	
Final Inspection	100% inspection. Yield >98%.	
Printable Area	Yes (optional)	
Appearance	Single-row reel form	
Reel Core	Paper core inner diameter 76mm	
Reel Length	Max 5000 pieces per reel	
Reel Diameter	Max 30cm	
Packaging	Reels in shrink film and packed in cardbox	

Data Sheet Version Mi-LU-GSJAB-1145

Date 25 May 2017

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