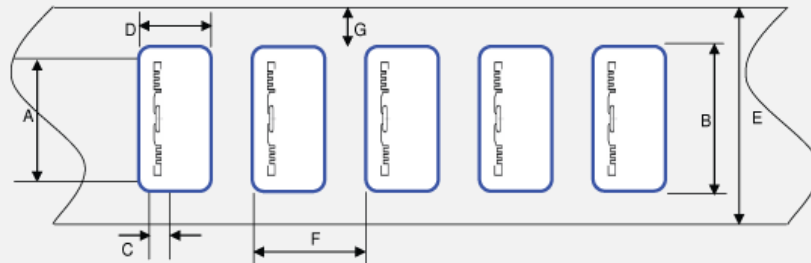


MiRFID UHF LABEL

Mi-LU-MPCAB-1145



MECHANICAL DIMENSIONS

A	Antenna Width	89.0 ± 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
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 G2XM
Memory	• 880 bit • 55 blocks @ 2 bytes
AFI	YES
Write Protection	Block Wise
Static Pressure	10 N/mm ²

A Product of:



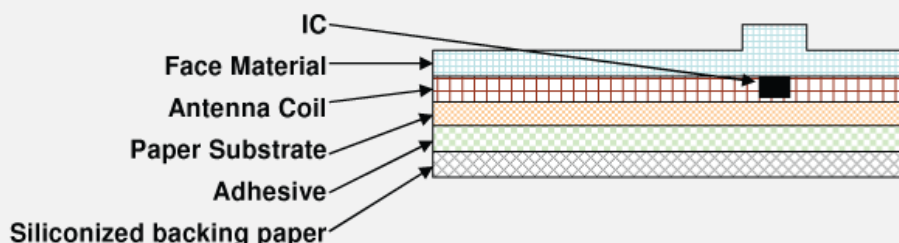
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DELIVERY FORM

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-MPCAB-1145
Date	25 May 2017

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