

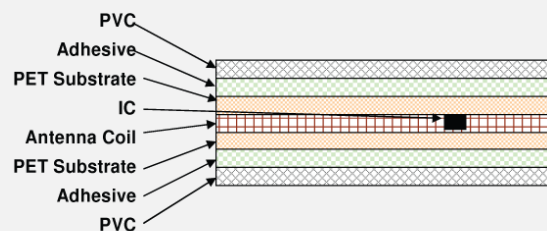
MiRFID UHF Tag

Mi-TU-LAPVP-1140



MECHANICAL DIMENSIONS

Dimension	Parameter	Value	Unit
A	Antenna Width	97.0 ± 0.5	mm
B	Tag Width	113.0 ± 0.5	mm
C	Antenna Length	11.0 ± 0.5	mm
D	Tag Length	40.0 ± 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	860MHz – 960MHz
Transmission	Passive
Protocol	EPC Class 1 Gen 2 Compliant
Compliance	
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	• 368 bit • 23 blocks @ 2 bytes
AFI	Yes
Write Protection	Block Wise
Static Pressure	10 N/mm ²
Data Sheet Version	Mi-TU-LAPVP-1140-01
Date	2013 June 28

DELIVERY FORM

Physical Characteristics	Flexible Substrate
Substrate Type & Heat Resistance	Option 1: 50µm Polyester (PVC) ±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	Etched Antenna
Operating Temperature	-20°C to 85°C
EAS	Yes
Printable Area	Yes (optional)
Write Endurance Cycle	100,000 cycles
Data Retention	Typical 10 years
Tag Format	Die-cut
Tag Face Material	PVC
Tag Backing Material	PVC
Final Inspection	100% inspection. Yield >98%.
Appearance	Singulated Units
Packaging	Packed in cardbox

A Product of:



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