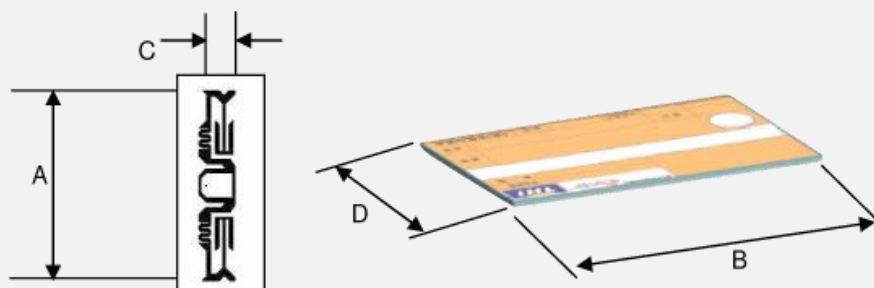


MiRFID UHF TAG

Mi-EU-MSQEB-1521



MECHANICAL DIMENSIONS

A	Antenna Width	113.0 ± 0.5	mm
B	Tag Width	113.0 ± 0.5	mm
C	Antenna Length	15.0 ± 0.5	mm
D	Tag Length	21.0 ± 0.5	mm

FEATURES

Applications	Garment Tags
Operating Distance	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Anti-Collision: Slotted Aloha• Multiple Read Capability: 50 tags/seconds (ID Read)• Multiple Read Capability: 500 tags/seconds (EPC Read)
Chip	NXP G2XM
Memory	<ul style="list-style-type: none">• 880 bit• 55 blocks @ 2 bytes
AFI	Yes
Write Protection	Block Wise
Static Pressure	10 N/mm ²

A Product of:



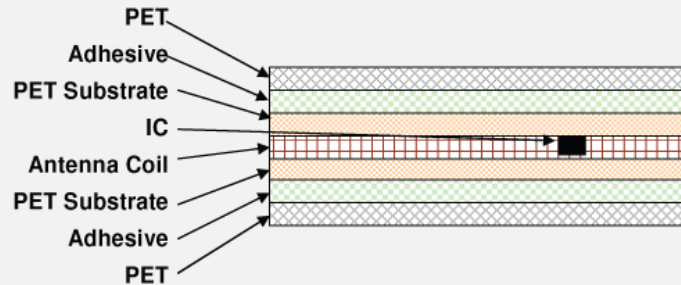
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MiRFID UHF LABEL

Mi-EU-MSQEB-1521



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-EX-N-F8015 Antenna
Antenna Material	Etched Antenna
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	PET
Tag Backing Material	PET
Final Inspection	100% inspection. Yield >98%.
Printable Area	Yes (optional)
Appearance	Singulated Units
Packaging	Packed in cardbox

Data Sheet Version	Mi-EU-MSQEB-1521
Date	2013 June 28

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