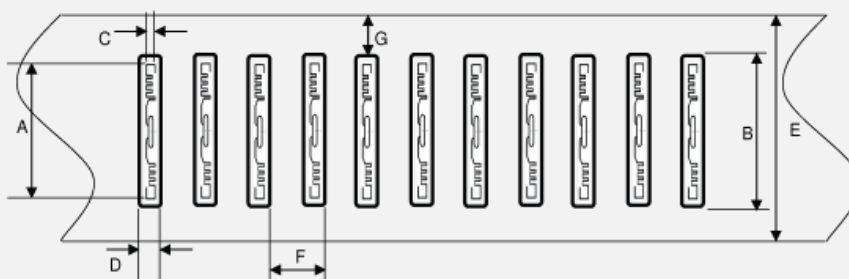


MiRFID UHF DRY INLAY

Mi-WU-MPCNN-1018



MECHANICAL DIMENSIONS

A	Antenna Width	95.0 ± 0.5	mm
B	Wet Inlay Width	97.0 ± 0.5	mm
C	Antenna Length	10.0 ± 0.5	mm
D	Wet Inlay Length	18.0 ± 0.5	mm
E	Web Width	106.0 ± 1.0	mm
F	Wet Inlay Pitch	23.0 ± 0.5	mm
G	Wet Inlay 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 G2XL
Memory	• 880 bit • 55 blocks @ 2 bytes
AFI	YES
Write Protection	Block Wise
Static Pressure	10 N/mm ²

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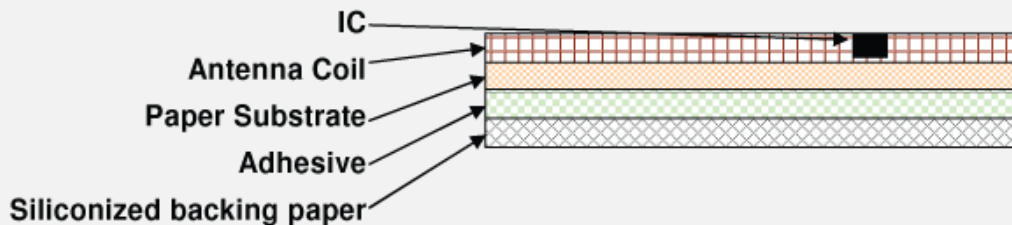
MDT INNOVATIONS SDN. BHD.
Suite 19-04A, The Pinnacle Persiaran Lagoon, Bandar
Sunway 46150 Petaling Jaya, Malaysia.
TEL: +60(3) 7610 2988
FAX: +60(3) 7610 2999
EMAIL: contact@mmdt.cc



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MiRFID UHF DRY INLAY

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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) min ±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	Not Applicable
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-WU-MPCNN-1018
Date	23 May 2017

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TEL: +60(3) 7610 2988
FAX: +60(3) 7610 2999
EMAIL: contact@mmdt.cc



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