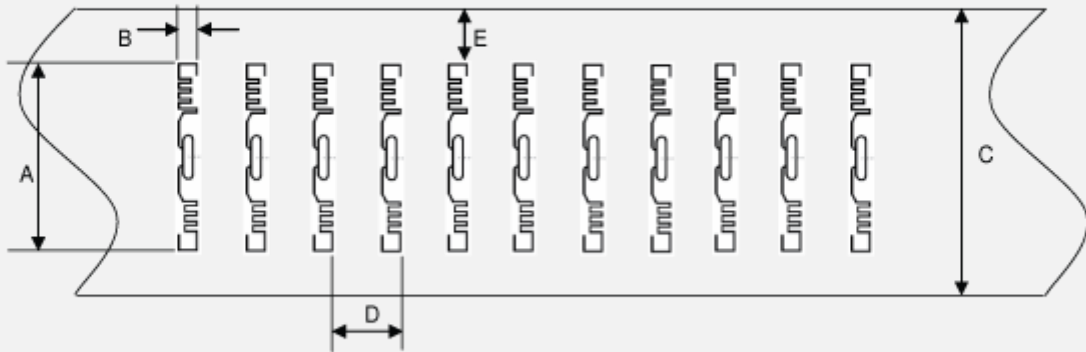


# MiRFID UHF DRY INLAY

## Mi-DU-MPCNN-1010



### MECHANICAL DIMENSIONS

A	Antenna Width	$95.0 \pm 0.5$	mm
B	Antenna Length	$10.0 \pm 0.5$	mm
C	Web Width	$106.0 \pm 1.0$	mm
D	Antenna Pitch	$23.0 \pm 0.5$	mm
E	Antenna To Web Edge	$4.5 \pm 0.5$	mm

A Product of:



MDT INNOVATIONS  
www.mmdt.cc

**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](mailto:contact@mmdt.cc)



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# MiRFID UHF DRY INLAY

## Mi-DU-MPCNN-1010



### FEATURES

<b>Applications</b>	• General Purpose Long Range
<b>Operating Distance</b>	Typically ~ 9m on air (9dbi antenna) Typically ~ 2.8m on air using Mi870E Handheld Reader
<b>Frequency</b>	860-960 MHz
<b>Transmission</b>	Passive
<b>RF Air Protocol</b>	EPC Class 1 Gen 2 Compliant
<b>Functions</b>	• Anti-Collision: Slotted Aloha • Multiple Read Capability: 50 tags/seconds (ID Read) • Multiple Read Capability: 500 tags/seconds (EPC Read)
<b>Chip</b>	• NXP G2XL
<b>Memory</b>	• 880 bit • 55 blocks @ 2 bytes
<b>AFI</b>	YES
<b>Write Protection</b>	Block Wise
<b>Static Pressure</b>	10 N/mm <sup>2</sup>

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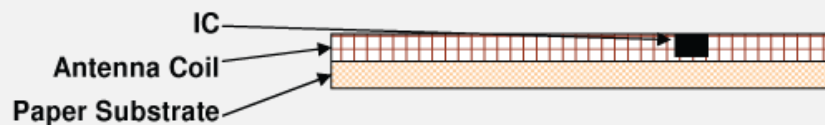
# MiRFID UHF DRY INLAY

## Mi-DU-MPCNN-1010



### DELIVERY FORM

<b>Physical Characteristics</b>	Flexible Substrate
<b>Substrate Type &amp; Heat Resistance</b>	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
<b>Antenna</b>	MiRFID™ UG-NS-N-F9510 Antenna
<b>Antenna Material</b>	Printed Antenna (Metal Ink)
<b>Operating Temperature</b>	-20°C to 85°C
<b>EAS</b>	YES
<b>Write Endurance Cycle</b>	100,000 cycles
<b>Data Retention</b>	Typical 10 years
<b>Tag Format</b>	Non Die-cut
<b>Tag Face Material</b>	Not Applicable
<b>Tag Backing Material</b>	Not Applicable
<b>Final Inspection</b>	100% inspection. Yield >98%.
<b>Printable Area</b>	Yes (optional)
<b>Appearance</b>	Single-row reel form
<b>Reel Core</b>	Paper core inner diameter 76mm
<b>Reel Length</b>	Max 5000 pieces per reel
<b>Reel Diameter</b>	Max 30cm
<b>Packaging</b>	Reels in shrink film and packed in cardboard



<b>Data Sheet Version</b>	<b>Mi-DU-MPCNN-1010</b>
<b>Date</b>	30 April 2012

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