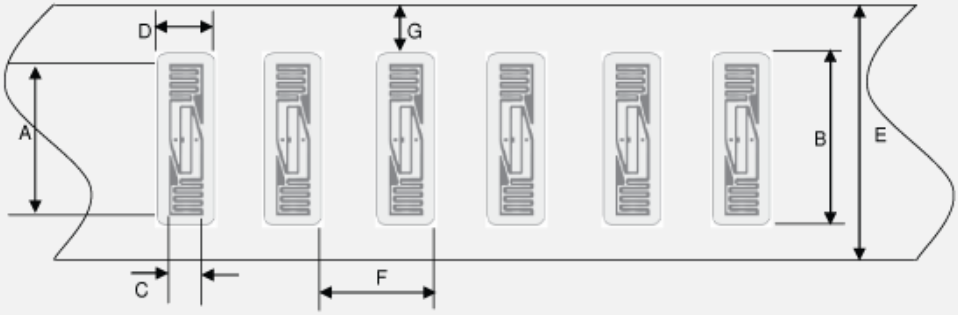
MiRFID UHF LABEL
Mi-LU-ZPKAB-0818



MECHANICAL DIMENSIONS

A	Antenna Width	35.0 ± 0.5	mm
B	Label Width	38.0 ± 0.5	mm
C	Antenna Length	8.0 ± 0.5	mm
D	Label Length	18.0 ± 0.5	mm
E	Web Width	45.0 ± 1.0	mm
F	Label Pitch	39.0 ± 0.5	mm
G	Label To Web Edge	3.5 ± 0.5	mm

FEATURES

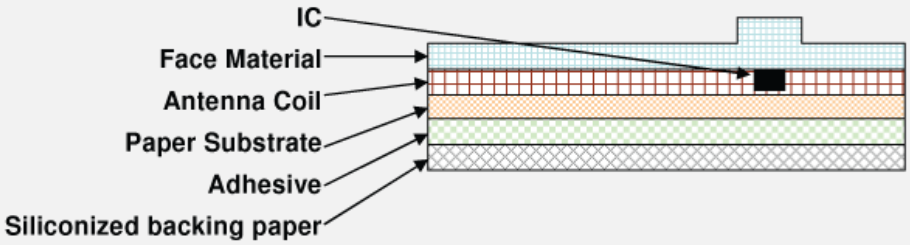
Applications	• Global Supply Chain Management
Operating Distance	Typically ~ 4.5m on air (9dbi antenna) Typically ~ 1m on air using Mi870E Handheld Reader
Frequency	860-960 MHz
Transmission	Passive
RF Air Protocol	EPC Class 1 Gen 2 Compliant
Functions	• Anti-Collision: Slotted Aloha • Multiple Read Capability: 50 tags/seconds (ID Read) • Multiple Read Capability: 500 tags/seconds (EPC Read)
Chip	• Impinj Monza 5
Memory	• 128 bits EPC Memory
Write Protection	Block Wise
Static Pressure	10 N/mm^2

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

MiRFID UHF LABEL
Mi-LU-ZPKAB-0818



DELIVERY FORM

Physical Characteristics	Flexible Substrate	
Substrate Type & Heat Resistance	Option 1: 50µm Polyester (PET) Option 2: 50µm Polyimide (PI) Option 3: 50µm Paper	±0.1% shrinkage at 150°C for 1 min ±0.1% shrinkage at 250°C for 1 min ±0.3% shrinkage at 150°C for 1 min
Antenna	MiRFID™ UG-EX-N-N3508 Antenna	
Antenna Material	Printed Antenna (Metal Ink)	
Operating Temperature	-20˚C to 85˚C	
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 3000 pieces per reel	
Reel Diameter	Max 30cm	
Packaging	Reels in shrink film and packed in cardbox	

Data Sheet Version	**Mi-LU-ZPKAB-0818**
Date	25 May 2017

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