

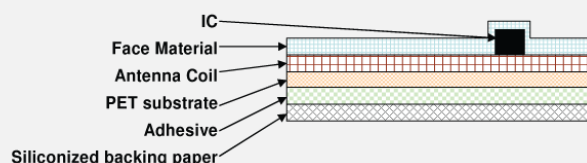
MiRFID UHF Metal Tag

Mi-TU-CTU051



MECHANICAL DIMENSIONS

A	Tag Width	28.0 ± 0.5	mm
B	Tag Length	100.0 ± 0.5	mm
C	Tag Thickness	1.0 ± 0.5	mm



FEATURES

Applications	• Asset management, Metal Environment
Operating Distance	Typically ~ 3m on air (9dbi antenna) Typically ~ 1.0m on air using Handheld Reader
Frequency	860MHz – 960MHz
Transmission	Passive
Protocol Compliance	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 4QT
Memory	• 128 bit EPC • 512 bit User
ARI	Yes
Write Protection	Block Wise
Static Pressure	10 N/mm ²

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 (PP) ±0.1% shrinkage at 150°C for 1 min
Antenna	MiRFID™ CTU051 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 / PP
Tag Backing Material	Siliconized backing paper
Final Inspection	100% inspection. Yield >98%.
Appearance	Singulated Units
Packaging	Packed in carbox

Data Sheet Version	Mi-TU-CTU051-01
Date	24 July 2014

A Product of:



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