# 1005 ON METAL TAG

A popular and smaller size UHF Tag used on metal surfaces

It does a stable and reliable UHF on metal tag, which is widely used in indoor asset management.

### **ADVANTAGES:**

- Be of good RF performance, work stably on metal surface.
- 100% memory writing tested.
- Both material and design have been tested for reliability.
- 100% function tested by Voyantec Tagformace.

### **MAIN FEATURES:**

- Can customize size for customers.
- Flexible and convenient installation.
- Painted ones can be used in outdoor

## **APPLICATIONS:**

- Tool management.
- IT equipment management.
- Metal containers management.
- Metal equipment management.
- Personnel patrol management.
- Fixed asset management.





### **CHARACTERISTICS:**

Compliance EPC Class1 Gen2; ISO18000-6C Frequency 902-928MHz , 865~868MHz (Can customize frequency)  Chip NXP UCODE 8 ( Can customize tag with different UHF chips)  Memory EPC 128bits  Read/write Yes  Data Storage 50 years  Warranty One year  Material FR4  Dimension 10mm*5mm*3mm  Storage Temperature -30 °C~+110 °C  Operating Temperature -25 °C~+85 °C  Storage humidity 5%~95%  Delivery format Single  Installation Method 3M300LSE tape (standard)  Weight ~1g  Package Bubble bag and carton  Color Black  Power Supply Passive  Drop Test 1 meters high, 200 drop test passed  Alcohol test 95% alcohol test passed  Gasoline test Passed  High & low temperature shock test  Temperature cycle test -40 °C~+120 °C, 7 times cycle time testing, 48 hours total  RoHS Compatible  Read distance on metal surface Up to 1 meters (With ATID AT880 handheld reader)  RF performance consistency test  Options pre-encoding, Surface painting	CHARACTERISTICS:	
customize frequency)  Chip  NXP UCODE 8 ( Can customize tag with different UHF chips)  Memory  EPC 128bits  Read/write  Yes  Data Storage  50 years  Warranty  One year  Material  FR4  Dimension  10mm*5mm*3mm  Storage Temperature  -30 °C ~ +110 °C  Operating Temperature  5% ~ 95%  Delivery format  Single  Installation Method  3M300LSE tape (standard)  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  Passed  High & low temperature shock test  Temperature cycle test  -40 °C ~ +150°C, 7 cycles, total 48 hours  Alsonors total  RoHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance  consistency test	Compliance	EPC Class1 Gen2; ISO18000-6C
Chip NXP UCODE 8 ( Can customize tag with different UHF chips)  Memory EPC 128bits  Read/write Yes  Data Storage 50 years  Warranty One year  Material FR4  Dimension 10mm*5mm*3mm  Storage Temperature -30 °C~+110 °C  Operating Temperature 5%~95%  Delivery format Single  Installation Method 3M300LSE tape (standard)  Weight ~1g  Package Bubble bag and carton  Color Black  Power Supply Passive  Drop Test 1 meters high, 200 drop test passed  Alcohol test 95% alcohol test passed  Gasoline test Passed  High & low temperature shock test  Temperature cycle test -40 °C ~+150°C, 7 cycles, total 48 hours total  RoHS Compatible  Read distance on metal surface Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Frequency	902-928MHz , 865~868MHz (Can
different UHF chips)  Memory  Read/write  Yes  Data Storage  50 years  Warranty  One year  Material  FR4  Dimension  Storage Temperature  -30 °C ~ +110 °C  Operating Temperature  55 °C ~ +85 °C  Storage humidity  Delivery format  Single  Installation Method  3M300LSE tape (standard)  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Alcohol test  Passed  High & low temperature  shock test  Temperature cycle test  -40 °C ~ +150 °C, 7 cycles, total 48 hours  A8 hours total  ROHS  Compatible  Read distance on metal surface  Up to 1 meters (With ATID AT880 handheld reader)  RF performance  consistency test		customize frequency)
Memory       EPC 128bits         Read/write       Yes         Data Storage       50 years         Warranty       One year         Material       FR4         Dimension       10mm*5mm*3mm         Storage Temperature       -30 °C ~ +110 °C         Operating Temperature       -25 °C ~ +85 °C         Storage humidity       5%~95%         Delivery format       Single         Installation Method       3M300LSE tape (standard)         Weight       ~ 1g         Package       Bubble bag and carton         Color       Black         Power Supply       Passive         Drop Test       1 meters high, 200 drop test passed         Alcohol test       95% alcohol test passed         Gasoline test       Passed         High & low temperature shock test       -40 °C ~ +150 °C, 7 cycles, total 48 hours         Temperature cycle test       -40 °C ~ +120 °C, 7 times cycle time testing, 48 hours total         RoHS       Compatible         Read distance on metal       Up to 1 meter (EIRP=4W)         Surface       Up to 0.4 meters ( With ATID AT880 handheld reader)         RF performance       100% tested by Voyantic Tagformace	Chip	NXP UCODE 8 ( Can customize tag with
Read/write Data Storage  So years  Warranty One year  Material FR4  Dimension 10mm*5mm*3mm  Storage Temperature -30 °C ~ +110 °C  Operating Temperature -25 °C ~ +85 °C  Storage humidity 5%~95%  Delivery format Single Installation Method 3M300LSE tape (standard) Weight ~ 1g Package Bubble bag and carton  Color Black Power Supply Passive Drop Test 1 meters high, 200 drop test passed  Alcohol test 95% alcohol test passed  Gasoline test Passed High & low temperature shock test  Temperature cycle test -40 °C ~ +150 °C, 7 cycles, total 48 hours  shock test  Temperature cycle test -40 °C ~ +120 °C, 7 times cycle time testing, 48 hours total  RoHS Compatible  Read distance on metal surface Up to 1 meter (EIRP=4W) Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test		different UHF chips)
Data Storage  Warranty  One year  Material  FR4  Dimension  Storage Temperature  -30 °C ~ +110 °C  Operating Temperature  -25 °C ~ +85 °C  Storage humidity  Delivery format  Installation Method  Weight  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  Gasoline test  Passed  High & low temperature  shock test  Temperature cycle test  RoHS  Read distance on metal  surface  50 years  One year  One year  PR4  PASH  C ~ +110 °C  → +85 °C  Storage humidity  Single  Installation Method  3M300LSE tape (standard)  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test passed  High & low temperature  shock test  Temperature cycle test  -40 °C ~ +150 °C, 7 cycles, total 48 hours  -48 hours total  RoHS  Compatible  Read distance on metal  Surface  Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880  handheld reader)  RF performance  consistency test	Memory	EPC 128bits
Warranty       One year         Material       FR4         Dimension       10mm*5mm*3mm         Storage Temperature       -30 °C~+110 °C         Operating Temperature       -25 °C~+85 °C         Storage humidity       5%~95%         Delivery format       Single         Installation Method       3M300LSE tape (standard)         Weight       ~ 1g         Package       Bubble bag and carton         Color       Black         Power Supply       Passive         Drop Test       1 meters high, 200 drop test passed         Alcohol test       95% alcohol test passed         Gasoline test       Passed         High & low temperature shock test       -40 °C ~+150°C, 7 cycles, total 48 hours         Temperature cycle test       -40 °C ~+120°C, 7 times cycle time testing, 48 hours total         RoHS       Compatible         Read distance on metal surface       Up to 1 meter (EIRP=4W)         Up to 0.4 meters ( With ATID AT880 handheld reader)         RF performance consistency test       100% tested by Voyantic Tagformace	Read/write	Yes
Material FR4  Dimension 10mm*5mm*3mm  Storage Temperature -30 °C ~ +110 °C  Operating Temperature -25 °C ~ +85 °C  Storage humidity 5%~95%  Delivery format Single  Installation Method 3M300LSE tape (standard)  Weight ~ 1g  Package Bubble bag and carton  Color Black  Power Supply Passive  Drop Test 1 meters high, 200 drop test passed  Alcohol test 95% alcohol test passed  Gasoline test Passed  High & low temperature shock test  Temperature cycle test -40 °C ~ +150 °C, 7 cycles, total 48 hours  ROHS Compatible  Read distance on metal surface Up to 1 meter (EIRP=4W)  surface Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Data Storage	50 years
Dimension  Storage Temperature  -30 °C ~ +110 °C  Operating Temperature  -25 °C ~ +85 °C  Storage humidity  5%~95%  Delivery format  Installation Method  3M300LSE tape (standard)  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  High & low temperature shock test  Temperature cycle test  -40 °C ~ +150°C, 7 cycles, total 48 hours  48 hours total  RoHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Surface  Up to 0.4 meters ( With ATID AT880)  handheld reader)  RF performance  consistency test	Warranty	One year
Storage Temperature  Operating Temperature  -25 °C ~ +85 °C  Storage humidity  5%~95%  Delivery format  Installation Method  Weight  ^ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  High & low temperature shock test  Temperature cycle test  -40 °C ~ +150 °C, 7 cycles, total 48 hours  **Temperature cycle test*  -40 °C ~ +120 °C, 7 times cycle time testing, 48 hours total  RoHS  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Surface  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Material	FR4
Operating Temperature  Storage humidity  5%~95%  Delivery format  Installation Method  Meight  Package  Bubble bag and carton  Color  Black  Power Supply  Drop Test  Alcohol test  Gasoline test  Temperature cycle test  Temperature cycle test  Read distance on metal surface  RF performance  Constal Single  3M300LSE tape (standard)  Temperature (standard)  Alcohol test passed  Single  Installation Method  Alcohol Single  Installation Method  Alcohol Single  Installation Method  Alcohol Single  Installation  Installation Method  Installation  Alcohol Single  Installation	Dimension	10mm*5mm*3mm
Storage humidity  Delivery format  Installation Method  Weight  Tg  Package  Bubble bag and carton  Color  Black  Power Supply  Drop Test  Alcohol test  Gasoline test  High & low temperature shock test  Temperature cycle test  Temperature cycle test  Read distance on metal surface  RF performance  Consaline test  Single  3M300LSE tape (standard)  Massed  Suddender  Fashed  Fashed  Fashed  Auron  Single  1 meters (standard)  Alcohol test  Passive  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test passed  Fashed  Fashe	Storage Temperature	-30 °C ~ +110 °C
Delivery format  Installation Method  3M300LSE tape (standard)  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  Passed  High & low temperature shock test  Temperature cycle test  -40 °C ~+150°C, 7 cycles, total 48 hours shock test  Temperature cycle test  -40 °C ~+120°C, 7 times cycle time testing, 48 hours total  ROHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Surface  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance  consistency test	Operating Temperature	-25 °C~ +85 °C
Installation Method  Weight  ~ 1g  Package  Bubble bag and carton  Color  Black  Power Supply  Drop Test  Alcohol test  Gasoline test  High & low temperature shock test  Temperature cycle test  ROHS  Read distance on metal surface  RF performance  consistency test  Alsohol SM300LSE tape (standard)  **Tight Standard**  **Passed subble bag and carton  **Passive subble bag and carton  **Passive subble bag and carton  **Passive subble bag and carton  **Passed subble bag and car	Storage humidity	5%~95%
Weight       ~ 1g         Package       Bubble bag and carton         Color       Black         Power Supply       Passive         Drop Test       1 meters high, 200 drop test passed         Alcohol test       95% alcohol test passed         Gasoline test       Passed         High & low temperature shock test       -40 °C ~+150°C, 7 cycles, total 48 hours         Temperature cycle test       -40 °C ~+120°C, 7 times cycle time testing, 48 hours total         ROHS       Compatible         Read distance on metal surface       Up to 1 meter (EIRP=4W)         Surface       Up to 0.4 meters ( With ATID AT880 handheld reader)         RF performance consistency test       100% tested by Voyantic Tagformace	Delivery format	Single
Package  Bubble bag and carton  Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  Passed  High & low temperature shock test  Temperature cycle test  -40 °C ~+150°C, 7 cycles, total 48 hours  -40 °C ~+120°C, 7 times cycle time testing, 48 hours total  ROHS  Compatible  Read distance on metal Up to 1 meter (EIRP=4W)  surface  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Installation Method	3M300LSE tape (standard)
Color  Black  Power Supply  Passive  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  High & low temperature shock test  Temperature cycle test  Temperature cycle test  ROHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  handheld reader)  RF performance consistency test  Drop Test  1 meters high, 200 drop test passed  1 to a least passed  1 meters high, 200 drop test passed  1 meters high, 2	Weight	~ 1g
Power Supply  Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  Gasoline test  Passed  High & low temperature shock test  Temperature cycle test  -40 °C ~+150°C, 7 cycles, total 48 hours  -40 °C ~+120°C, 7 times cycle time testing, 48 hours total  RoHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Package	Bubble bag and carton
Drop Test  1 meters high, 200 drop test passed  Alcohol test  95% alcohol test passed  High & low temperature shock test  Temperature cycle test  740 °C ~+150 °C, 7 cycles, total 48 hours  -40 °C ~+120 °C, 7 times cycle time testing, 48 hours total  ROHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Surface  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Color	Black
Alcohol test  Gasoline test  Passed  High & low temperature shock test  Temperature cycle test  RoHS  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Lup to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test  Passed  -40 °C ~+150°C, 7 cycles, total 48 hours  -40 °C ~+120°C, 7 times cycle time testing,  48 hours total  Up to 1 meter (EIRP=4W)  Lup to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Power Supply	Passive
Gasoline test  High & low temperature shock test  Temperature cycle test  -40 °C ~+150°C, 7 cycles, total 48 hours  -40 °C ~+120°C, 7 times cycle time testing, 48 hours total  ROHS  Compatible  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Drop Test	1 meters high, 200 drop test passed
High & low temperature shock test  Temperature cycle test  -40 °C ~+150°C, 7 cycles, total 48 hours  -40 °C ~+120°C, 7 times cycle time testing,  48 hours total  RoHS  Read distance on metal surface  Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Alcohol test	95% alcohol test passed
shock test  Temperature cycle test  -40 °C ~+120 °C, 7 times cycle time testing, 48 hours total  RoHS  Read distance on metal surface  Up to 1 meter (EIRP=4W) Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test	Gasoline test	Passed
Temperature cycle test  -40 °C ~+120 °C, 7 times cycle time testing, 48 hours total  RoHS  Read distance on metal surface  Up to 1 meter (EIRP=4W) Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance consistency test  -40 °C ~+120 °C, 7 times cycle time testing, 48 hours total  Up to 1 meter (EIRP=4W) Surface  Up to 0.4 meters ( With ATID AT880 handheld reader)	High & low temperature	-40 $^{\circ}$ C $^{\sim}$ +150 $^{\circ}$ C, 7 cycles, total 48 hours
ROHS Compatible  Read distance on metal up to 1 meter (EIRP=4W)  surface Up to 0.4 meters (With ATID AT880 handheld reader)  RF performance 100% tested by Voyantic Tagformace consistency test	shock test	
RoHS Compatible  Read distance on metal surface Up to 1 meter (EIRP=4W)  Up to 0.4 meters ( With ATID AT880 handheld reader)  RF performance 100% tested by Voyantic Tagformace consistency test	Temperature cycle test	-40 $^{\circ}\mathrm{C}$ $\sim$ +120 $^{\circ}\mathrm{C}$ , 7 times cycle time testing,
Read distance on metal surface Up to 1 meter (EIRP=4W)  Up to 0.4 meters (With ATID AT880 handheld reader)  RF performance 100% tested by Voyantic Tagformace consistency test		48 hours total
surface Up to 0.4 meters (With ATID AT880 handheld reader)  RF performance consistency test Up to 0.4 meters (With ATID AT880 handheld reader)	RoHS	Compatible
handheld reader)  RF performance 100% tested by Voyantic Tagformace consistency test	Read distance on metal	Up to 1 meter (EIRP=4W)
RF performance 100% tested by Voyantic Tagformace consistency test	surface	Up to 0.4 meters ( With ATID AT880
consistency test		handheld reader)
·	RF performance	100% tested by Voyantic Tagformace
Options pre-encoding, Surface painting	consistency test	
1	Options	pre-encoding, Surface painting