

# DANI DATA SYSTEMS (I) Pvt. Ltd.

"Laukik", 870, Bhandarkar Road, Pune 411 004, India, Tel: +91 20 2567 5530/ 6107  
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## On Metal RFID Tag

P/N: ULT- 1202

### FEATURES

- ULT - 1202 tag operates effectively with good read range of over 15m when attached to metal.
- Rugged construction for high durability.
  - Can be attached by screws with the help of two holes.
  - Can also be provided with Adhesive tape for easy attachment.
  - ULT - 1202 tag can be effectively used in asset tracking, Warehouse management, Containers and Railway Coaches identification
  - Factory automation, Automotive & Security purpose.

### APPLICATIONS

- M-Crown tag operates effectively with good read range of over 15m when attached to metal.
- Rugged construction for high durability.
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.
- M-Crown tag can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches identification
- Factory automation, Automotive & Security purpose.

Chip Type	Monza 4QT/ Alien Higgs 3 EPC Class 1 Gen 2 EPC	
	96 bit extendable up to 128 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100,000 cycles	
Mechanical	Dimension	150 x 25 x 12 mm
	Material	ABS
	Colour	Blue
	Weight	25.8 g
Electrical	Operating Frequency 865-868MHz, (902-928MHz also available on request)	
	Operating mode Passive (battery-less transponder)	
Ingress Protection	IP67	
Thermal	Storage Temp. -40°C to +85°C	
	Operating Temp. -40°C to +85°C	
Part Number	ULT - 1202	
Options On request	Available with different Transponder IC	
	Color and material	
	Adhesive backing for easy mounting	
Dimension	150 L x 25 W x 12 T mm	
Mounting	5.8 x 8 L mm	

Uudyog Aadhar No- MH26A0064938  
CIN - U31909 PN2003 PTC01 7985  
GSTIN : 27AABCD8023C1Z3



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## Tag Placement

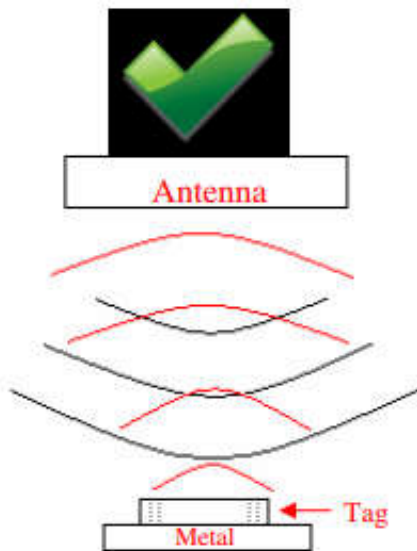
M-Crown is polarized perpendicular to DDS logo.

Place the tag in such a way that most of its bottom area comes in direct contact with metal.

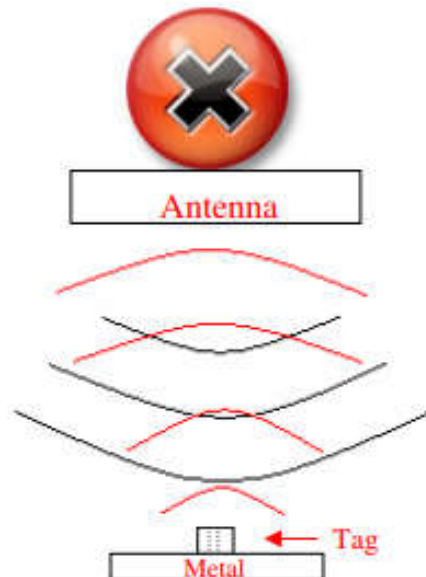
Ensure that there is no hindrance between the tag and the reader antenna.

Reader antenna should be parallel to the tag length as shown in below figure:

Correct way



Wrong way



Tag is either fixed with screw M5/ Rivets / Adhesive tape.

The distance between hole to hole is 126.5mm.

Elliptical shape of hole provides flexible attachment of tag.

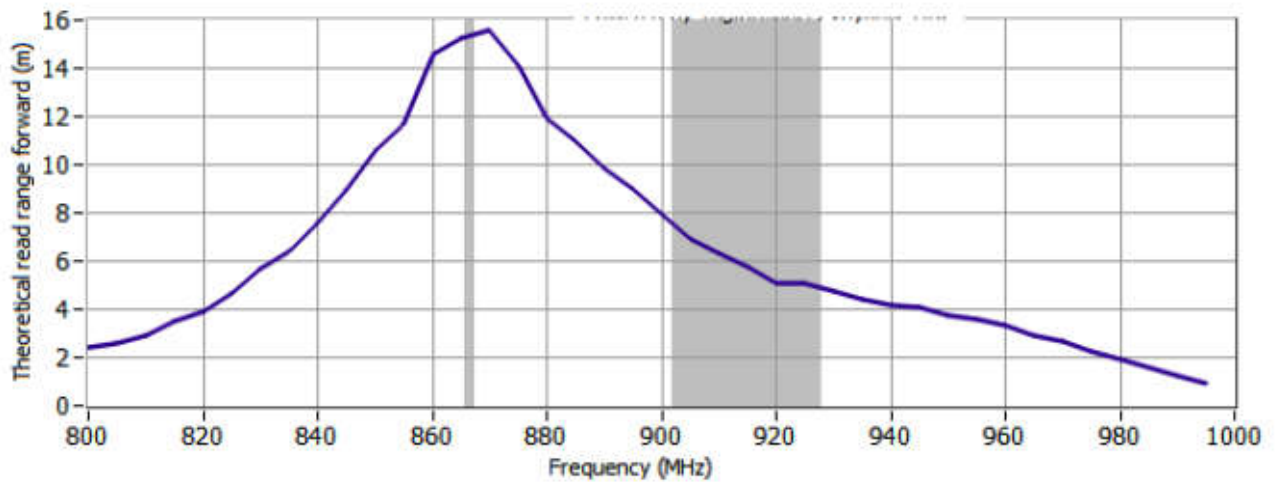
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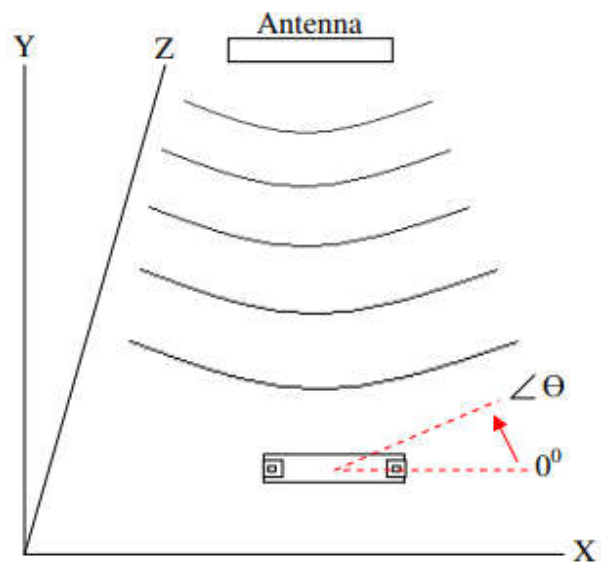
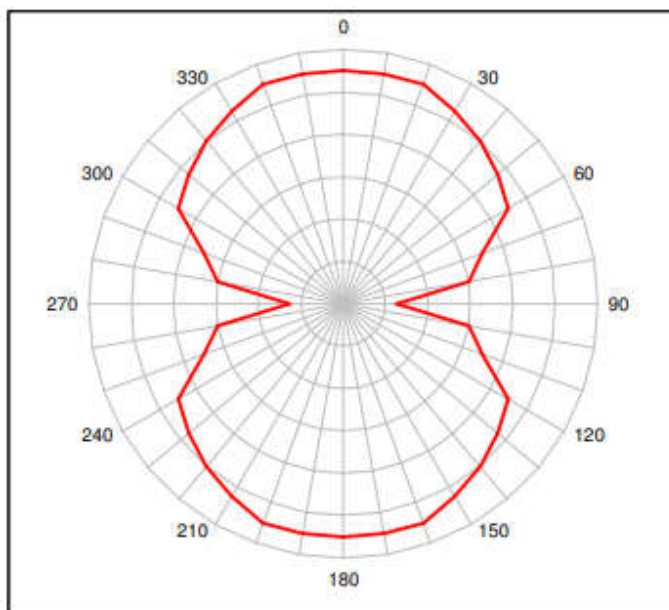


## Frequency v/s Read Range Graph



## Angular Sensitivity

### M-Crown Tag Angular Sensitivity (Relative Read Range vs. Orientation)



Tag is rotated in the X-Y plane about the z axis

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