



M-King Tag

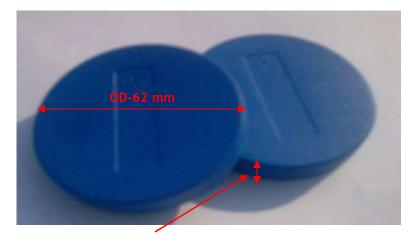
FEATURES

- M-King tag operates effectively with read range of over 8m when attached to metal.
- Rugged construction for high durability.
- Can be provided with Adhesive tape for easy attachment.

APPLICATIONS

- Due to high read range, M-King can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches identification.
- Factory automation, Automotive & Security purpose.

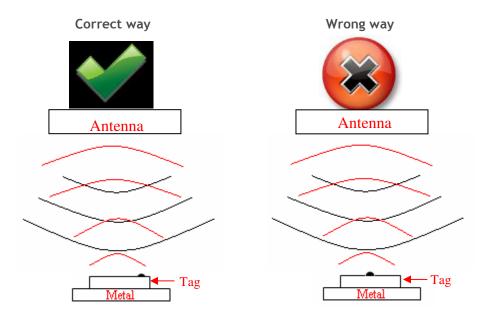
Chip Type: User Memory 512 bit Data retention of 50 years Write endurance 100.000 cycles Dimension Material ABS Colour Blue Weight 25 gm. Coperating Frequency Operating mode Dia. 62mm, thickness 10mm Passive (battery-less transponder) Ingress Protection: IP67 Thermal: Storage Temp. Operating Temp. Operating Temp20°C to +85°C Operating Temp20°C to +85°C Available with: Other IC type on request (e.g., Monza 4D, Monza 4E)		UHF Class 1 Gen 2, Impinj Monza 4QT		
Data retention of 50 years Write endurance 100.000 cycles Dimension Material ABS Colour Blue Weight 25 gm. Operating Frequency Operating mode Passive (battery-less transponder) Thermal: Storage Temp. Operating Temp. -20°C to +85°C Operating Temp. -20°C to +85°C Operating Temp. Other IC type on request (e.g. Monza 4D, Monza 4F) Other IC type on request (e.g. Monza 4D, Monza 4F)	Chip Type:	EPC 96 bit extendable up to 128 bits		
Write endurance 100.000 cycles Dimension Dia. 62mm, thickness 10mm Material ABS Colour Blue Weight 25 gm. Electrical: Operating Frequency 865-868MHz, (902-928MHz also available on request) Operating mode Passive (battery-less transponder) Ingress Protection: IP67 Thermal: Storage Temp20°C to +85°C Operating Temp20°C to +85°C Operating Temp20°C to +85°C Operating Temp20°C to +85°C Operating Temp20°C to +85°C		User Memory 512 bit		
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Colour Weight Z5 gm. Derating Frequency Operating mode Passive (battery-less transponder) Ingress Protection: IP67 Storage Temp. Operating Temp. -20°C to +85°C Operating Temp. -20°C to +85°C Operating Temp.	Mechanical:	Dimension	Dia. 62mm, thickness 10mm	
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Thermal: Storage Temp. Operating Temp. -20°C to +85°C -20°C to +85°C Part Number: 309V6 Available with: Other IC type on request (e.g. Monza 4D, Monza 4F)		Operating mode	Passive (battery-less transponder)	
Thermal: Storage Temp. Operating Temp. -20°C to +85°C -20°C to +85°C Part Number: 309V6 Available with: Other IC type on request (e.g. Monza 4D, Monza 4F)				
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Other IC type on request (e.g. Monza 4D, Monza 4F)	Part Number:	309V6		
Other IC type on request (e.g. Monza 4D, Monza 4E)	Options:	Available with:		
Untions'		Other IC type on request (e.g. Monza 4D, Monza 4E)		
Other plastic material and colours		Other plastic material and colours		
Adhesive backing for easy mounting (indoor application)		Adhesive backing for easy mounting (indoor application)		

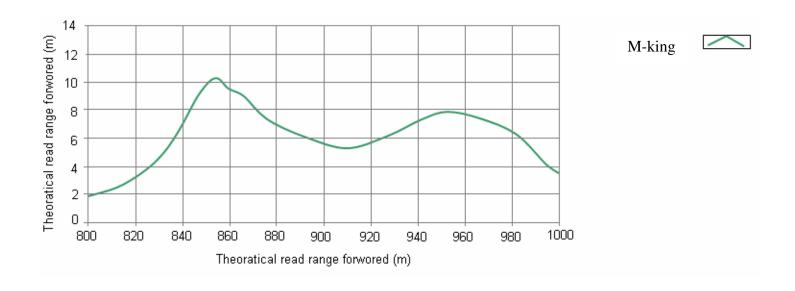


Thickness - 10 mm

Tag Placement

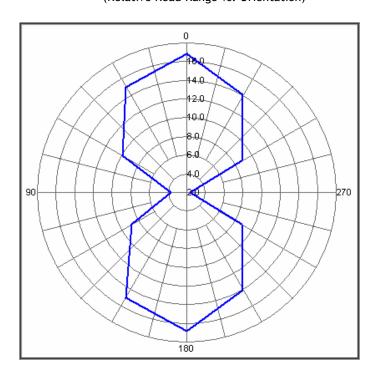
- M-King is polarized parallel to rectangle in the tag.
- Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- 4 Ensure that there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the axis of the rectangle in the tag as shown in below figure:

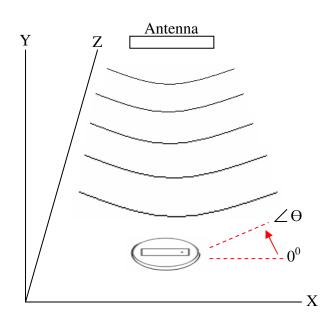




Angular Sensitivity

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





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