

# SIRIUS

## RFID Antenna Industry

**PART ID:**  
**4706**

The SIRIUS 4706 is a aircoil antenna with stainless steel housing and was designed to be connected with fixed reader from the MAGNUM Series for used in waste management application. System integrators remove a tooth of the comb lifter and replace it with the SIRIUS LF antenna. The antenna is placed under the BIN TAG Chipnest transponder so that a good and accurate reading accuracy of the TECTUS Bin TAG 1021 is guaranteed.

### Main Specifications

Frequencies	<b>LF</b> HF UHF
Material	Stainless Steel + Epoxy
Operating Temperature	-20°C to 80°C
IP Class	IP67
Compliance	RoHs & Reach, CE
Key Features	Rough Environment, ASK/FSK Modulation, Stainless Steel Housing



### Full Specifications

Product ID	4706
Name	SIRIUS
Material	Stainless Steel + Epoxy
Shape	Aircoil
Long Description	The SIRIUS 4706 is a aircoil antenna with stainless steel housing and was designed to be connected with fixed reader from the MAGNUM Series for used in waste management application. System integrators remove a tooth of the comb lifter and replace it with the SIRIUS LF antenna. The antenna is placed under the BIN TAG Chipnest transponder so that a good and accurate reading accuracy of the TECTUS Bin TAG 1021 is guaranteed.
Key Features	Rough Environment, ASK/FSK Modulation, Stainless Steel Housing
Main Use	Waste Management
Article Type	Industry
Color	Steel
Length [mm]	81
Width [mm]	31

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Where application information is given, it is only advisory and does not form part of the specification.

Thickness [mm]	37
IP Class	IP67
PCB Material	Stainless Steel
Chemical Resistance	Not Specified
Flame Resistance	
Mechanical Resistance	Not Specified
Compliance	RoHs & Reach, CE
Operating Temp °C (min)	-20
Operating Temp °C (max)	80
Storage Temp °C (min)	-20
Storage Temp °C (max)	80
Typical Reading Range	100
Operating Frequency	LF
Frequency Range	125-134 KHz
Antenna Inductance L [ $\mu$ H]	190 $\mu$ H
Antenna Resistance R [Ohm]	< 5 Ohm
Connection	Open Wire
Cable Type	PUR Flex Cable
Cable Length	8 m
Mounting Method	Srews

## VARIANTS

ID	Variant
4706-01-000-00	PLUG M12