SIRIUS

RFID Antenna
Industry

PART ID:
4704

The SIRIUS 4704 antenna is specifically designed for applications in which it is necessary to get a big read range with a minimum size. The use of a ferrite core ensures optimum detection of ferrite transponders parallel to this.



Main Specifications

Frequencies	**LF** HF UHF
Material	PE with PU Potting
Operating Temperature	-20°C to 80°C
IP Class	IP67
Compliance	RoHs & Reach, CE
Key Features	Small Size, Rugged Design, 125/134 kHz, ON-Metal Use

Full Specifications

Product ID	4704
Name	SIRIUS
Material	PE with PU Potting
Shape	Ferrite
Long Description	The SIRIUS 4704 antenna is specifically designed for applications in which it is necessary to get a big read range with a minimum size. The use of a ferrite core ensures optimum detection of ferrite transponders parallel to this.
Key Features	Small Size, Rugged Design, 125/134 kHz, ON-Metal Use
Comments	Reading Distance Depends On Reader and Transponder
Main Use	Industrial, Waste Management
Article Type	Industry
Color	Black
Length [mm]	275
Width [mm]	50
Thickness [mm]	47
Weight [g]	600
IP Class	IP67
PCB Material	PE with PU Potting

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of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.

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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	200
Operating Frequency	LF
Frequency Range	125-134 kHz
Antenna Inductance L [µH]	190 µH
Antenna Resistance R [Ohm]	<5 Ohm
Cable Type	Plug M12
Cable Length	0,5 m/10 m
Mounting Method	Screws

VARIANTS

ID	Variant
4704-01-000-00	PLUG M12

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