



## **PART ID:** 4710

SIRIUS 4710 is a compact RFID UHF antenna with circular polarization and a radiation pattern characterized by a 60° beam width in the direction of the antenna long edge and 90° in the direction of the antenna short edge. SIRIUS 4710 has a very thin form factor. This allows to integrate the antenna inside thin objects. SIRIUS 4710 is ideal for loss-prevention systems at retail stores. SIRIUS 4710 can be embedded inside pedestals of electronic article surveillance (EAS) based on acoustomagnetic technology, transforming such pedestals into hybrid.



## **Main Specifications**

Frequencies  LF HF UHF  Material  PCB  Operating Temperature  IP Class  IP65  Compliance  RoHs & Reach, CE  Key Features  Ultra Thin, Cost-Effective, Smart Design		
Operating -20°C to 80°C Temperature  IP Class IP65 Compliance RoHs & Reach, CE Key Features Ultra Thin, Cost-Effective, Smart	Frequencies	LF HF <b>UHF</b>
Temperature  IP Class  IP65  Compliance  RoHs & Reach, CE  Key Features  Ultra Thin, Cost-Effective, Smart	Material	PCB
Compliance RoHs & Reach, CE  Key Features Ultra Thin, Cost-Effective, Smart	1 0	-20°C to 80°C
Key Features Ultra Thin, Cost-Effective, Smart	IP Class	IP65
	Compliance	RoHs & Reach, CE
	Key Features	

## **Full Specifications**

Product ID	4710
Name	SIRIUS
Material	PCB
Shape	PCB Antenna
Long Description	SIRIUS 4710 is a compact RFID UHF antenna with circular polarization and a radiation pattern characterized by a 60° beam width in the direction of the antenna long edge and 90° in the direction of the antenna short edge. SIRIUS 4710 has a very thin form factor. This allows to integrate the antenna inside thin objects. SIRIUS 4710 is ideal for loss-prevention systems at retail stores. SIRIUS 4710 can be embedded inside pedestals of electronic article surveillance (EAS) based on acoustomagnetic technology, transforming such pedestals into hybrid.
Key Features	Ultra Thin, Cost-Effective, Smart Design
Article Type	Industry
Color	White
Length [mm]	277

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declines all responsibility for the use 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



AAP data Fee ee 1	407
Width [mm]	137
Thickness [mm]	3.3
Weight [g]	230
IP Class	IP65
PCB Material	FR4
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
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	3.5
Operating Frequency	UHF
Frequency Range	865-868MHz
Impedance [Ohm]	50
Polarisation, circular [RHCP]	circular RHCP
Connection	SMA or MCX
Mounting Method	Screw/Revit

## **VARIANTS**

ID	Variant
4710-01-000-00	UHF Midrange 60°/90°

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