SIRIUS

RFID Antenna
Industry

PART ID:
4710

SIRIUS 4710 is a compact RFID UHF antenna with circular polarization and a radiation pattern characterized by a 60º beam width in the direction of the antenna long edge and 90º 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	-20°C to 80°C
IP Class	IP65
Compliance	RoHs & Reach, CE
Key Features	Ultra Thin, Cost-Effective, Smart Design

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 60º beam width in the direction of the antenna long edge and 90º 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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Where application information is given, it is only advisory and does not form part of the specification.

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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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