

SIRIUS RFID Antenna Industry

PART ID: 4730

SIRIUS 4730 is a compact RFID UHF Antenna with circular polarization. This radiation pattern makes this antenna ideal for many RFID applications such as real-time inventory systems, magic mirrors and tracking through doors and corridors in rough environments.

Main Specifications

Frequencies	LF HF UHF
Material	Aluminium
Operating Temperature	-40°C to 70°C
IP Class	IP65
Compliance	RoHs & REACH, FCC, CE
Key Features	RFID UHF, Rough Environment, Gain 9dBi, Right or left circular polarization



Full Specifications

Product ID	4730
Name	SIRIUS
Material	Aluminium
Shape	Long Range
Long Description	SIRIUS 4730 is a compact RFID UHF Antenna with circular polarization. This radiation pattern makes this antenna ideal for many RFID applications such as real-time inventory systems, magic mirrors and tracking through doors and corridors in rough environments.
Key Features	RFID UHF, Rough Environment, Gain 9dBi, Right or left circular polarization
Article Type	Industry
Color	white
Length [mm]	260
Width [mm]	260
Thickness [mm]	40
Weight [g]	1680
IP Class	IP65

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Chemical Resistance Flame Resistance Mechanical Resistance Mechanical Resistance Not Specified Compliance RoHs & REACH, FCC, CE Operating Temp °C (min) -40 Operating Temp °C (max) 70 Storage Temp °C (min) -40 Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Mounting Method Pole	PCB Material	ABS
Flame Resistance Mechanical Resistance Compliance RoHs & REACH, FCC, CE Operating Temp °C (min) Operating Temp °C (max) Storage Temp °C (min) Storage Temp °C (max) Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various		
Mechanical Resistance Compliance RoHs & REACH, FCC, CE Operating Temp °C (min) -40 Operating Temp °C (max) To Storage Temp °C (min) Storage Temp °C (max) Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various	Chemical Resistance	Not Specified
Compliance RoHs & REACH, FCC, CE Operating Temp °C (min) -40 Operating Temp °C (max) 70 Storage Temp °C (min) -40 Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Flame Resistance	
Operating Temp °C (min) -40 Operating Temp °C (max) 70 Storage Temp °C (min) -40 Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Mechanical Resistance	Not Specified
Operating Temp °C (max) 70 Storage Temp °C (min) -40 Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Compliance	RoHs & REACH, FCC, CE
Storage Temp °C (min) Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length	Operating Temp °C (min)	-40
Storage Temp °C (max) 80 Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Operating Temp °C (max)	70
Typical Reading Range up to10m Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Storage Temp °C (min)	-40
Operating Frequency UHF Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Storage Temp °C (max)	80
Frequency Range 865-869MHz Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Typical Reading Range	up to10m
Impedance [Ohm] 50 ? Polarisation, circular [RHCP] Circular right/left Connection N-Female Cable Type various Cable Length various	Operating Frequency	UHF
Polarisation, circular [RHCP] Connection N-Female Cable Type various Cable Length various	Frequency Range	865-869MHz
ConnectionN-FemaleCable TypevariousCable Lengthvarious	Impedance [Ohm]	50 ?
Cable Type various Cable Length various	Polarisation, circular [RHCP]	Circular right/left
Cable Length various	Connection	N-Female
<u> </u>	Cable Type	various
Mounting Method Pole	Cable Length	various
	Mounting Method	Pole

VARIANTS

ID	Variant
4730-01-000-00	Plug N-Female

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