# SIRIUS

**RFID Antenna**
**Industry**

**PART ID:**
**4709**

This Antenna is a compact RFID UHF Antenna, with a very thin form factor, circular polarization and a radiation pattern characterized by a wide beam in all directions in one hemisphere. This radiation pattern and its thin form factor make this antenna ideal for many RFID applications such as smart shelves, smart displays, smart panels and smart tables or other surfaces.



## 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 | 4709 |
| Name | SIRIUS |
| Material | PCB |
| Shape | PCB Antenna |
| Long Description | This Antenna is a compact RFID UHF Antenna, with a very thin form factor, circular polarization and a radiation pattern characterized by a wide beam in all directions in one hemisphere. This radiation pattern and its thin form factor make this antenna ideal for many RFID applications such as smart shelves, smart displays, smart panels and smart tables or other surfaces. |
| Key Features | Ultra Thin, Cost-Effective, Smart Design |
| Article Type | Industry |
| Color | White |
| Length [mm] | 137 |
| Width [mm] | 137 |
| Thickness [mm] | 3.3 |
| Weight [g] | 115 |
| IP Class | IP65 |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS 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 himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

| | |
|---|---|
| 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 |
| Operating Frequency | UHF |
| Frequency Range | 865-868MHz |
| Impedance [Ohm] | 50 |
| Polarisation, circular [RHCP] | circular |
| Connection | SMA or MCX |
| Mounting Method | Screw/Revit |

## VARIANTS

| ID | Variant |
|---|---|
| 4709-01-000-00 | UHF Midrange 100°/100° |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS 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 himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10