

# PART ID: **4711**

SIRIUS 4711 is a compact RFID UHF Antenna with circular polarization and a radiation pattern characterized by a 60°/60° beamwidth. 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.

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#### **Main Specifications**

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

## **Full Specifications**

| Product ID          | 4711   |
|---------------------|--|
| Name                | SIRIUS   |
| Material            | PCB  |
| Shape               | PCB Antenna  |
| Long Description    | SIRIUS 4711 is a compact RFID UHF Antenna with circular polarization and a radiation pattern characterized by a 60°/60° beamwidth. 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. |
| Key Features        | Ultra Thin, Cost-Effective, Smart Design   |
| Article Type        | Industry   |
| Color               | White  |
| Length [mm]         | 277  |
| Width [mm]          | 277  |
| Thickness [mm]      | 3.3  |
| Weight [g]          | 470  |
| IP Class            | IP65   |
| PCB Material        | FR4  |
| Chemical Resistance | Not Specified  |

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| Compliance F<br>Operating Temp °C (min) | Not Specified<br>RoHs & Reach, CE<br>-20<br>80 |
|---|--|
| Operating Temp °C (min)                 | -20  |
|   | · · · · · · · · · · · · · · · · · · ·          |
| Operating Temp °C (max)                 | 80   |
|   |  |
| Storage Temp °C (min)                   | -20  |
| Storage Temp °C (max) 8                 | 80   |
| Typical Reading Range                   | 4.3  |
| Operating Frequency                     | UHF  |
| Frequency Range 8                       | 865-868MHz                                     |
| Impedance [Ohm]                         | 50   |
| Polarisation, circular [RHCP]           | circular RHCP                                  |
| Connection                              | SMA or MCX                                     |
| Mounting Method                         | Screw/Revit                                    |

### VARIANTS

| ID             | Variant              |
|----------------|----------------------|
| 4711-01-000-00 | UHF Midrange 60°/60° |

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