

# CS772 Linear RFID Far Field Antenna

## Product Profile:

CS772 is a linear polarized UHF RFID Far Field antenna for long range operation where the tag polarization is known and controllable. The antenna connects via a 3 meter cable to a TNC Reverse Polarity plug connector that is compatible with CS461 fixed reader.



## Features:

- Single Antenna Element
- Linear Polarization
- Excellent matching for best RFID read performance
- Ruggedized operation

## Specifications:

|                                  |   |
|----------------------------------|---|
| <b>Physical Characteristics:</b> | Length: 30 cm; Width: 30 cm; Height: 4 cm; Weight = 5 lbs   |
| <b>Mounting:</b>                 | 2 x 2 mounting stud, horizontal separation 5.875 inches, vertical separation 2.75 inches, 1/4 x 0.625 inch studs with 20 threads/inch threading   |
| <b>Environment:</b>              | Operating Temp: -20°C to 55°C (-4°F to 131°F)<br>Storage Temp: -40°C to 85°C (-40°F to 185°F)<br>Humidity: 5% to 95% Non-condensing   |
| <b>Frequency Range:</b>          | One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-954 MHz  |
| <b>Polarization:</b>             | Linear  |
| <b>Peak Gain:</b>                | 9 dBi   |
| <b>Front-to-Back Ratio:</b>      | 20 dB   |
| <b>Beamwidth:</b>                | 54 degrees  |
| <b>Impedance:</b>                | 50 ohms   |
| <b>Return Loss:</b>              | Better than 20 dB down  |
| <b>Input Power:</b>              | 10 Watts  |
| <b>ESD:</b>                      | 10 KV (no ESD sensitive component)  |
| <b>Order Code:</b>               | CS772C-024-N (N=1: 865-868 MHz for Europe & 865-867 MHz for India, N=2: 902-928 MHz, C=S:SMA Reverse Polarity Connector, C=N:N Reverse Polarity Connector, C={none}: TNC Reverse Polarity Connector, 024=standard 2.4m cable and please discuss with CSL sales department for special requirements) |

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