

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:

| | |
|----------------------------------|---|
| Physical Characteristics: | Length: 30 cm; Width: 30 cm; Height: 4 cm; Weight = 5 lbs |
| Mounting: | 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 |
| Environment: | Operating Temp: -20°C to 55°C (-4°F to 131°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 5% to 95% Non-condensing |
| Frequency Range: | One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-954 MHz |
| Polarization: | Linear |
| Peak Gain: | 9 dBi |
| Front-to-Back Ratio: | 20 dB |
| Beamwidth: | 54 degrees |
| Impedance: | 50 ohms |
| Return Loss: | Better than 20 dB down |
| Input Power: | 10 Watts |
| ESD: | 10 KV (no ESD sensitive component) |
| Order Code: | 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) |