CS771 Long Range Far Field RFID Antenna

Product Profile:

CS771 long range far field antenna is a monostatic antenna for use with CS461 reader for ultra long range high sensitivity tag reading. The antenna has industry leading circular polarization properties to enable best read of tags of all orientations as they approach the sweet zone of the antenna. The antenna has excellent beam width and front-to-back ratio.

Features:

- Industry leading read range performance far field antenna
- Circular polarization, choice of Left Hand Circular Polarized or Right Hand Circular Polarized.
- Global frequency coverage
- Excellent matching for best read performance
- Excellent circular polarization characteristics for reading tags of all orientations

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, ¼ x 0.625 inch studs with 20 threads/inch
Read Range:	With CS461-2 & AD431 tags from Avery Dennison, 8 meters outdoor
Frequency Range:	One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-954 MHz
Polarization:	RHCP or LHCP
Axial Ratio:	Less than 2 dB
Peak Linear Gain:	6 dBiL
Gain Flatness:	0.5 dB
Beamwidth (3 dB):	54 degrees
Input Impedance:	50 ohms
Input Power:	10 Watts
ESD:	10 KV (no ESD sensitive components inside)
Environment:	Operating Temp: -20^{0}C to 55^{0}C (-4^{0}F to 131^{0}F) Storage Temp: -40^{0}C to 85^{0}C (-40^{0}F to 185^{0}F) Humidity: 10% to 95% Non-condensing
Connector:	TNC Reverse Polarity
Order Code:	CS771-024-(L/R)HCP-N (N=1: 865-868 MHz for Europe & 865-867 MHz for India, N=2: 902-928 MHz, 024=standard 2.4m cable and please discuss with CSL sales department for special requirements)

CONVERGENCE SYSTEMS LIMITED

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