

Prüfbericht - Nr.:
Test Report No.

14012658 002

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CS-771 Mono-static Antenna

Product Profile:

CS-771 mono-static antenna is a duplexed antenna (i.e., same antenna for transmit and receive). The antenna connects to one coaxial cable that links it to an antenna port of a RFID reader via a coaxial connector.

Features:

- Single antenna element
- Circular polarization
- 902 - 928 MHz frequency band operation
- Excellent matching for best RFID reading 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% relative, non-condensing
Frequency Range:	800 MHz or 900 MHz band
Polarization:	RHCP or LHCP
Axial Ratio:	Less than 2dB
Peak Linear Gain:	5.5dBIL
Front-to-back Ratio:	20dB
Gain Flatness:	0.5 dB
Beamwidth (3 dB):	54 degrees
Impedance:	50 ohms
Return Loss:	Better than 20 dB down
Input Power:	3 Watts
Order Code:	LHCP: CS-771-L-P ; RHCP: CS-771-R-P (P=1 : 865-869 MHz; P=2 : 902-929 MHz; P=3 : 950-956 MHz)
Restrictions on Use:	Approvals, features and parameters may vary depending on country legislation and may change without notice.



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Specification of CS-771 Antenna