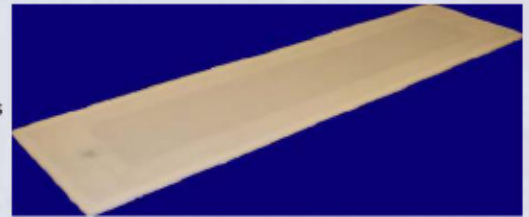


CS790 Ultra-Thin RFID Antenna



Product Profile:

CS790 antenna is an extremely thin monostatic antenna for use with high performance UHF RFID readers, such as CS468 or CS461 readers. Its extremely thin form factor allows it to be used in applications that have limited



space for antenna mounting, such as display cabinet, smart-shelf and conveyor-belts etc. Thus, this antenna is the best choice for using in retail applications, production line, document control and any applications require thin form factor antenna.

Features:

- Extremely thin form factor (~6mm)
- Industry leading read range performance thin antenna
- Models with standard length or customizable length for fitting in different shelves or cabinets
- Models with metal or plastic back plate for best read performance in non-metal (e.g. wooden shelf) or metal (metal shelf) environment
- Controllable read zone coverage
- Global frequency coverage

Specifications:

Physical Characteristics:	Thickness = 6 mm; Width = 250 mm; Length = 990 mm / 700 mm / 360 mm, or Customizable Length; Weight = ~1.8Kg / 1.3Kg / 0.68Kg;
Read Range:	Varies on different antenna length, tag models and environment
Frequency Range:	One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-956.4 MHz, 919-928 MHz
Input Impedance:	50 ohms
RF connector:	SMC (with 4cm pigtail cable at the long edge of antenna)
ESD:	5 KV
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: 10% to 95% Non-condensing
Accessory Required:	CS812 cable (for CS468 reader) or CS813 cable (for CS461 reader) (Need to be purchased separately)
Order Code:	CS790-N-X-ZZZ N=1: 865-868 MHz for Europe & 865-867 MHz for India, N=2: 902-928 MHz, N=3: 952-956.4 MHz, N=4: 919-928 MHz X=M: metal back plate for non-metal environment use P: plastic back plate for metal environment use ZZZ=length of antenna in mm (standard models: 990, 700, 360)

* Only CS790-2-M is available now (Jan 2011)

All specifications subject to change without notice

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