MobileMark
antenna solutions

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Patch Antennas
Compact Profile 2.5 dBi, RFID

CVS Series
Strip Patch Antennas

- Halfwave 2.5 dBi gain styles
- Compact for smart shelving, retail, and embedded applications
- Supplied with mounting brackets or use double sided tape
- UHF RFID 868 & 915 MHz versions

The CVS antenna has been designed for RFID applications where a compact or low profile installation is required.

These units are most appropriate for close proximity applications (typically 2 feet or less).

The CVS antennas are strip patch antennas, with linear polarization. These units are excellent candidates for smart shelving, near field control of retail (display cases), medical cart applications, and smart storage. Unit size is a compact 3.75"L x 1 1/4"W x 3/8"D (95 mm x 32mm x 9 mm).

Units are supplied with double sided tape and are tuned to mount directly on metal (with tape spacing).

Units can be supplied with any cable length, with 8 ft a standard configuration. The standard RF connector supplied is male SMA (plug) but others can be requested.

The CVS Series has a DC shorted front end and is compatible with antenna sensing circuits found in the current generation of RFID readers.

If your reader has a feature that requires a 10K ohm resistor, the CVS antenna can be special ordered with this feature.

Model #	Description
CVS-915-2C-BLK-96	US 902-928 MHz
CVS-868-2C-BLK-96	EU 865-870 MHz

Color options available for above models
BLK-Black

Specifications

Frequency:	
US RFID	902-928 MHz
EU RFID	865-870 MHz
Gain:	2.5 dBi max
Polarization:	Linear
VSWR:	2:1 max over range
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Operating Temp:	-40° to +85° C
Connectors:	SMA Plug (Male), others available

CVS Series Cable:	8 ft RG-174 (2.4 meters)
CVS Material:	ABS plastic, black
CVS Mounting:	Double sided tape mount
CVS Series Dimension:	3.75"L x 1 1/4"W x 3/8"D (95mm x 32mm x 9 mm)
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Water Ingress:	CVS:IP67