



CVS Series
Strip Patch Antennas



CVO Series
Patch Antennas

RFID Patch Antennas (Pat.Pnd) Compact Profile/Close Proximity

- 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 & CVO antennas have 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). Models are available for US UHF (902-928 MHz), as well as International (865-870 MHz).

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 4 ft a standard configuration. The Standard RF connector supplied is reverse Polarity SMA (plug) but others can be requested.

Model CVO Series patch is a linear polarized RFID antenna designed to be surface mounted. This antenna

is specially tuned to reduce the effects of mounting on and near metal objects or surfaces. The antennas have a compact size of only 4.75"L x 3.6"W x 0.88" H (121 mm x 91 mm x 22 mm). The CVO antennas have embedded ear holes for mounting. The cable exit slot allows side exit or direct back exit for a secure installation. The standard configuration is 4 ft RG-58 cable and Reverse Polarity SMA. Other configurations can be requested.

Model Numbers

Model	Band(s)
CVS-915I	Strip RFID antenna, US 902-928 MHz
CVS-868I	Strip RFID antenna, EU 865-870 MHz
CVO-915I	Patch RFID, US 902-928 MHz
CVO-868I	Patch RFID, EU 865-870 MHz

Different cable/connectors configurations available upon request. Please consult factory for details/availability.

Specifications

Frequency:		CVS Mounting:	Double sided tape mount
US RFID	902-928 MHz	CVS Series Dimension:	4"L x 1 1/4"W x 3/8"D
EU RFID	865 - 870 MHz		100 mm x 32mm x 9 mm
Gain:	2.5 dBi max	CVO Series Cable:	4 ft RG-58 (1.4 meters)
Bandwidth@2:1 VSWR:	See freq range above	CVO Material:	ABS plastic, black
Impedance:	50 Ohm nominal	CVO Mounting:	Ear Hole (screw mount)
Maximum Power:	10 Watts	CVO Series Dimension:	4.75"L x 3.6"W x 0.88"H
Operating Temp:	-40° to +80° C		(121 mm x 91 mm x 22 mm)
Connectors:	Reverse Polarity SMA, others available, consult factory		
CVS Series Cable:	4 ft RG-174 (1.4 meters)		
CVS Material:	ABS plastic, black		

Special configurations available, please consult factory for details.