



CVS Series
Strip Patch Antennas



CVO Series
Patch Antennas

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).

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 CVO Series 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 instal-

Patch Antennas

Compact Profile 2.5 dBi, RFID

- 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

lation. The standard configuration is 8 ft RG-58 cable and Male SMA (plug). Other configurations 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. The CVO has a 10K ohm resistor for readers with antenna sensing circuits.

Model #	Description
CVS-915-2C-BLK-96	US 902-928 MHz
CVS-868-2C-BLK-96	EU 865-870 MHz
CVO-915-1C-BLK-96	US 902-928 MHz
CVO-868-1C-BLK-96	EU 865-870 MHz
<u>Color options available for above models</u>	
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)
CVO Series Cable:	8 ft RG-58 (2.4 meters)
Connector:	SMA Plug (Male)
CVO Material:	ABS plastic, black
CVO Mounting:	Ear Hole (screw mount)
CVO Series Dimension:	4.75"L x 3.6"W x 0.88"H (121 mm x 91 mm x 22 mm)
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Water Ingress:	CVO:IPx5; CVS:IP67