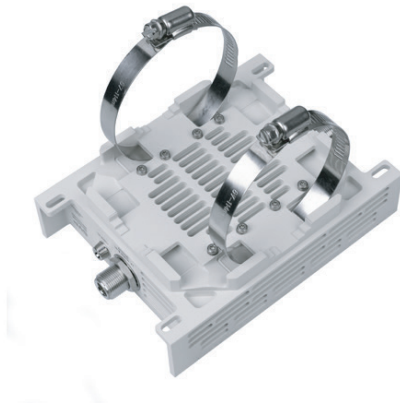


The DC down-converter has been specially designed to work with COFDM signals. This equipment converts signals received in the RF band to the UHF band.

The use of external down-converters, as long as they are installed next to the receiver antennas, enables the installation of the receiver unit far from the antennas. In the UHF band cable losses are lower than in the RF band.



ACCESSORIES



IF DIST

FEATURES

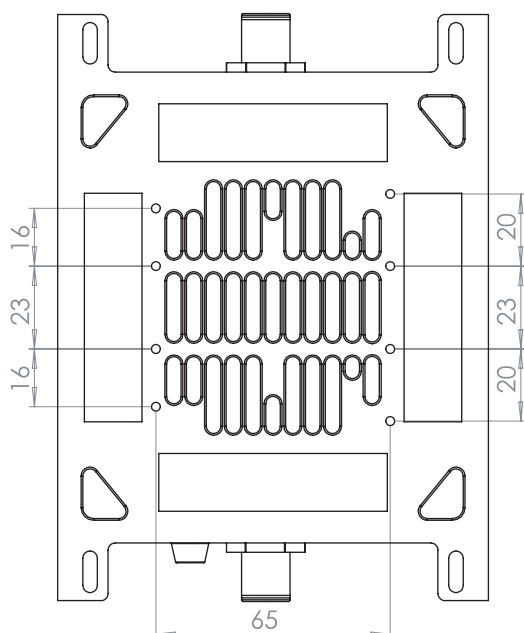
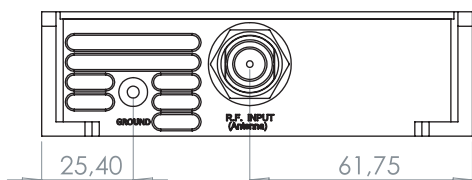
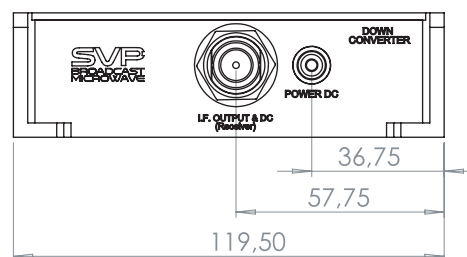
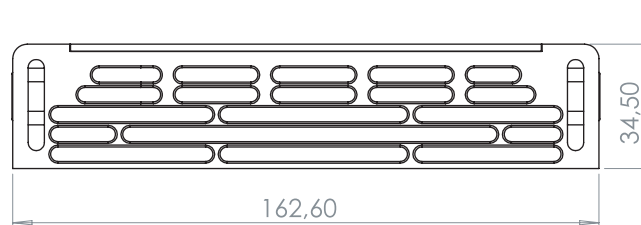
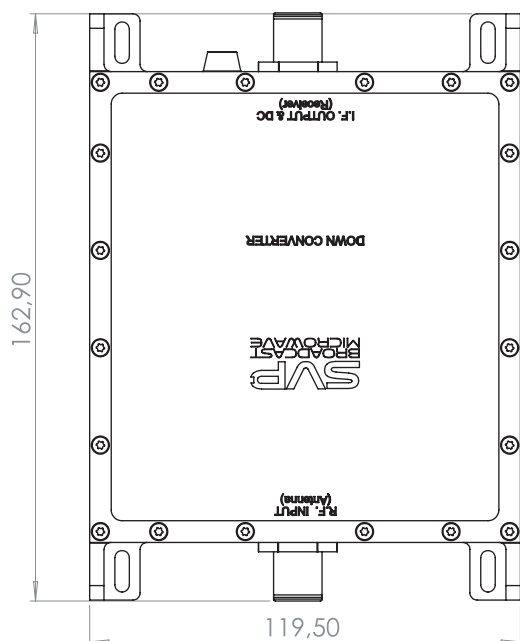
- Frequency range: 1.3 to 13 GHz, in bands.
- Designed to work in environments with lots of RF signals.
- Excellent linearity is guaranteed.
- Very high IP3. It can work with a high level of received signals.
- PHEMT technology is used.
- High stability and low phase noise local oscillator.
- Excellent MER results in the receiver.
- One LED informs the operator of the down-converter's status.
- Good adaptation at the amplifier input.
- This equipment is fed by the receiver.
- Watertight. It can work in extreme weather conditions.
- Two stainless steel brackets for its fixation to a mast included.

CHARACTERISTICS

SPECIFICATIONS

Frequency range:	DC_1300-1500 (1.300 to 1.500 MHz) DC_1700-1900 (1.700 to 1.900 MHz) DC_2000-2107 (2.000 to 2.107MHz) DC_2200-2400 (2.200 to 2.400 MHz) DC_2500-2650 (2.500 to 2.650MHz) DC_2000-2700 (2.000 to 2.700MHz) DC_3200-3900 (3.200 to 3.900 MHz) DC_4400-5000 (4.500 to 5.000 MHz) DC_5000-5300 (5.000 to 5.300 MHz) DC_5500-6000 (5.500 to 6.000 MHz) DC_6430-7130 (6.430 to 7.130 MHz) DC_6800-7500 (6.800 to 7.500 MHz) DC_8000-8500 (8.000 to 8.500 MHz) DC_10000-10500 (10.000 to 10.500 MHz) DC_12750-13250 (12.750 to 13.250 MHz).	Output frequency:	70-1000 MHz.
Noise figure:	< 1.5 dB.	Phase noise:	-98 dBc/Hz @ 10 kHz.
Conversion gain:	Switchable from 24 to 41dB.	Supply voltage range:	9 to 36 VDC.
Frequency of the local oscillator:	Programmable 4 LO Frequencies. For Example: 1800, 1840, 1880, 2808 MHz	DC consumption at 12 V:	350 mA @ 12V.
		N° of cells of the input filter:	6
		Static protection:	Yes.
		RF Connector:	N.-Female 50 Ohm.
		IF Connector:	N, TNC or BNC (75 Ohm).
		IF Impedance:	50 or 75 Ohm.
		Size:	119.5 x 162.6 x 34.5 mm (WxHxD) (w/o brackets).
		Temperature range:	From -40 to 60°C.
		Weight:	850 g.

MECHANICAL DIMENSIONS



HOW TO ORDER

DC - **2200 - 2400** **T**

1300-1500 = 1300 - 1500 MHz
1700-1900 = 1700 - 1900 MHz
2000-2107 = 2000 - 2107 MHz
2200-2400 = 2200 - 2400 MHz
2500-2650 = 2500 - 2650 MHz
2000-2700 = 2000 - 2700 MHz
3200-3900 = 3200 - 3900 MHz
4400-5000 = 4400 - 5000 MHz
5000-5300 = 5000 - 5300 MHz
5500-6000 = 5500 - 6000 MHz
6430-7130 = 6430 - 7130 MHz
6800-7500 = 6800 - 7500 MHz
8000-8500 = 8000 - 8500 MHz
10000-10500 = 10000 - 10500 MHz
12750-13250 = 12750 - 13250 MHz

T = TNC 50 Ohm
N = N 50 Ohm
B = BNC 75 Ohm

IF Output Connector