

## Ultralinear COFDM Power Amplifier 10 W

The PA-10 ultralinear power amplifier expands the possibilities of COFDM digital links on the market, since it can work with most transmitter types. Low intermodulation and high reliability make this amplifier specially interesting for broadcast and airborne applications.

This amplifier uses linearization technology to minimize distortion and provide superior signal quality for complex multi-carrier modulations while minimizing the DC power consumption.



Front view

### FEATURES

- LDMOS FET technology
- High linearity (built-in linearizer)
- Good harmonic rejection
- Isolator for protection against high VSWR
- ON / OFF control (by Remote Connector)
- ALC (automatic level control)
- Remote serial interface
- Shoulders better than 40 dB at 10 Watts (2 GHz)
- Digital broadcast systems (DVB-T2, DVB-T and ISDB-T)
- RTCA Do-160G compliant

### REMOTE CONTROL

- Direct Power measurement (Digital)
- Reverse Power measurement (Digital)
- Alarm
- Standby /ON Mode
- Lemo 0B compatible with HDT-02 remote

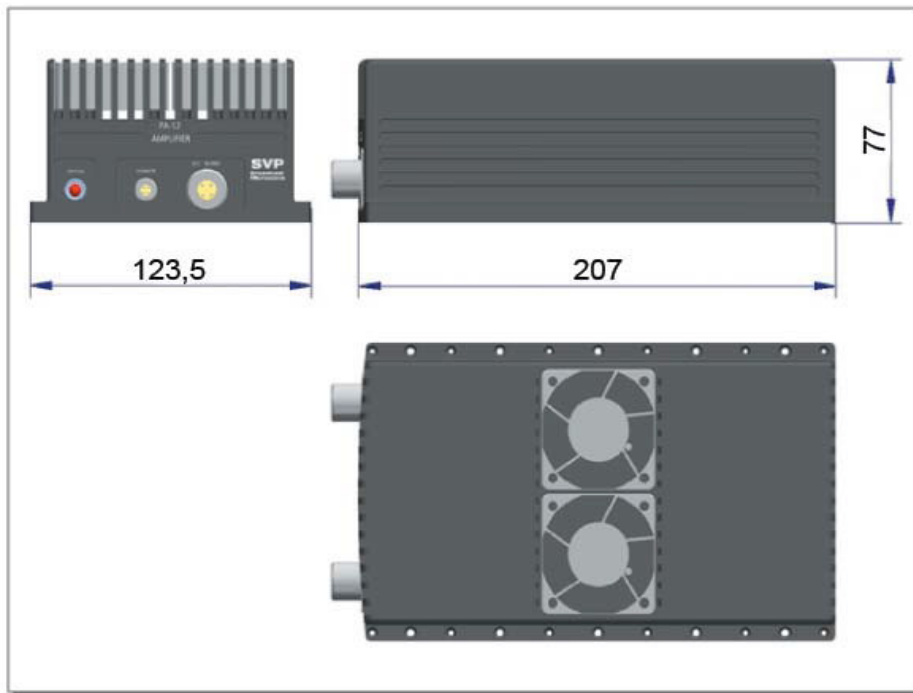


Rear view

## Ultralinear COFDM Power Amplifier 10 W

### GENERAL

Frequency range:	2.010-2.386 MHz 2.300-2.700 MHz
Input level:	+13 dBm to +20 dBm (ALC)
Max. output power:	10 W
Connectors:	Power supply: Amphenol PT02A-8-4P Remote: Lemo OB 7 pin
Input connector/impedance:	N-female, 50 ohms
Harmonic rejection:	>60 dB typ.
Supply voltage:	12 - 36 V DC
Output connector / impedance:	N-female, 50 ohms
Protection capabilities:	Reverse voltage High Reverser power
Forward detection:	yes (RMS detector)
Reverse detection:	yes (RMS detector)
Case:	Milled aluminium waterproof
Power consumption:	80 W
Operating temperature range:	-20 to 50 °C
Mechanical dimensions:	207 x 123,5 x 77 mm
Weight:	Approx. 2,2 kg
Protection:	IP65



Design and specifications are subject to changes without prior notice. 04/16