

The PA 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 especially 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.



FEATURES

- LDMOS FET technology.
- High linearity (built-in linearizer).
- 3 Manually Switchable Output Power Levels.
- Power supply range: 9 – 36 VDC.
- Good harmonic rejection.
- Isolator for protection against high VSWR.
- ON / OFF control (by Remote Connector).

REMOTE CONTROL

- Direct Power measurement (Digital).
- Reverse Power measurement (Digital).
- Alarm.
- Standby /ON Mode.
- Remote control compatible with HDT-02 transmitter.

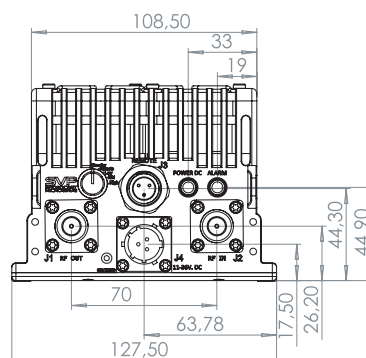
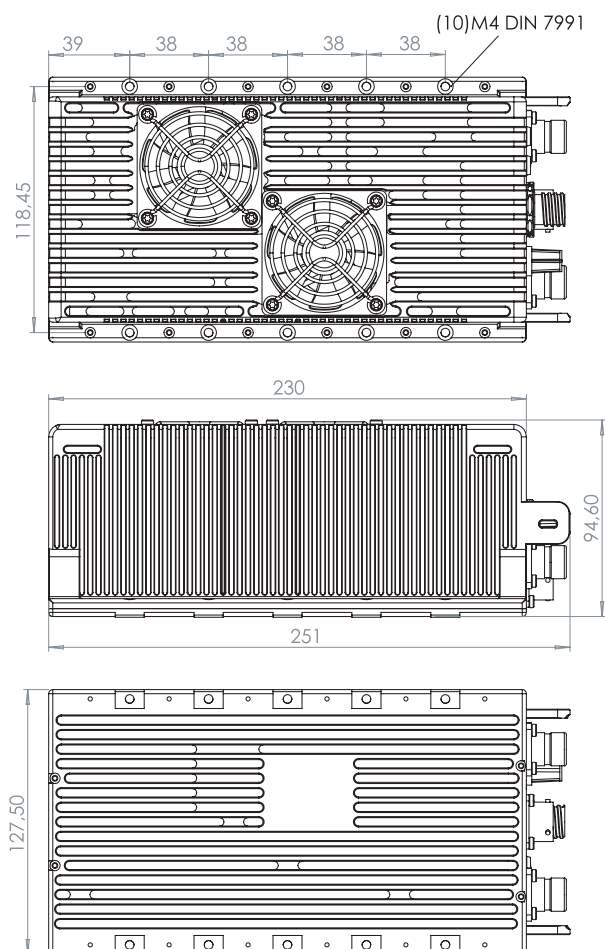
CHARACTERISTICS

PA ULTRALINEAR - ULTRALINEAR AMPLIFIERS

Frequency ranges:	1,900 – 2,500 MHz. 2,300 – 2,700 MHz. 3,300 – 3,600 MHz.
Output Power:	15 Watts (2.0 - 2.4 GHz). 15 Watts (2.3 – 2.7 GHz). 10 Watts (3.3 – 3.6 GHz). Manual: 3 different output power levels manually configurable. Remote: 3 different output power levels. remotely configurable via HDT Transmitter.
Input Level	+13 dBm to +20 dBm (ALC).
Connectors:	Power Supply: MS3112E12-3P. Remote: D38999/24. RF: N-Female.

Shoulders rejection:	>35dB @ 15 Watts. >40dB @ 10 Watts.
Supply voltage:	9 – 36 VDC.
Output Impedance:	50 ohm.
Protection capabilities:	Reverse Voltage. Reverse RF. Overvoltage.
Power consumption:	80 W.
Operating temperature range:	-20 to 50°C.
Mechanical dimensions:	251 x 127.5 x 94.6 mm.
Weight:	2.5 kg.
Protection:	IP65.

MECHANICAL DIMENSIONS & HOW TO ORDER



P/N

PA-15-1925U*
PA-10-2327U*
PA-10-3336U*

Max. Output Power

15 Watt.
15 Watt.
10 Watt.

Frequency Range

1,900 - 2,500 MHz
2,300 - 2,700 MHz
3,300 - 3,600 MHz

* When ARINC front hooks are needed, please add H letter to the P/N, for example: PA-15-1925UH

Design and specifications are subject to changes without prior notice. 05/25