

The PA 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 Power Amplifier brings a new level of performance and reliability in high-power microwave transmissions. Packaged in a rugged aluminum housing, it is specifically designed to operate where a power amplifier resistant to severe environmental conditions is needed.



ACCESSORIES



1500



FB



FC



CLTX-0210

FEATURES

- Many frequency ranges available.
- Ultra Linear or Saturated Operation.
- 3 Manually Switchable Power Levels.
- Open and short protection on RF ports.
- Power supply range: 9 to 36 VDC.
- Reverse polarity protection.
- Digitally controlled standby mode.

REMOTE CONTROL

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

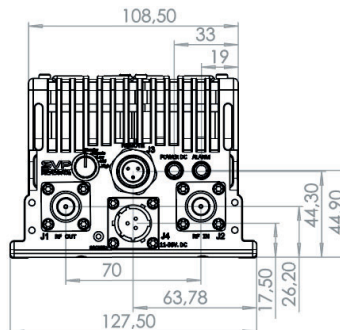
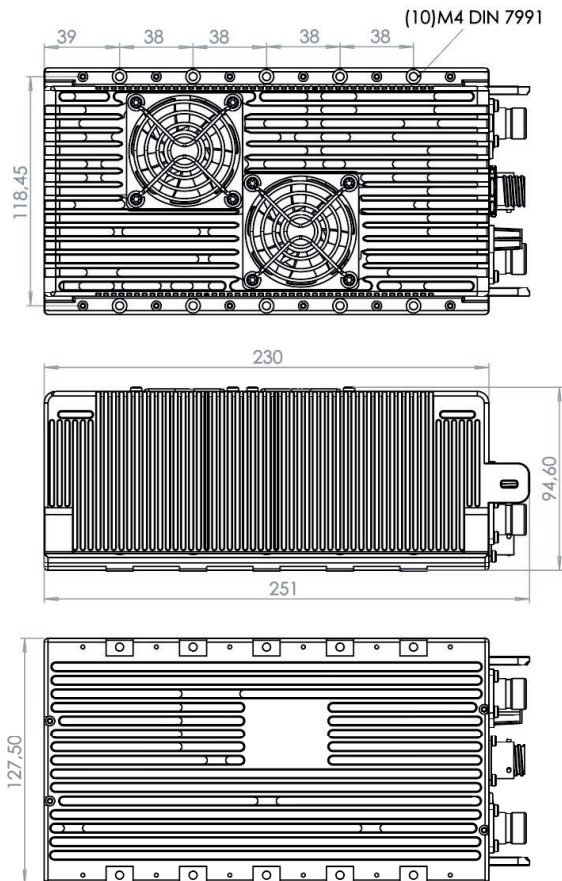
CHARACTERISTICS

PA POWER AMPLIFIERS

Input level:	13 – 20 dBm with Automatic Level Control Power
Connectors:	Supply: MS3112E12-3P Remote: D38999/24 RF: N-Female
Frequency range:	1.25 to 1.6 GHz for 10W 1.7 to 2.2 GHz for 10W 4.4 to 5 GHz for 10W 5.0 to 5.3 GHz for 10W 6.4 to 7.0 GHz for 5W
Output Power:	Different output levels Remotely configurable via HDT Transmitter.
Harmonics suppression:	>60 dB typ.

EVM:	2.5% typ, 8 MHz COFDM.
I/O Impedance:	N-female, 50 ohm.
ACPR:	-32 dBc typ, 8 MHz COFDM.
Power consumption:	Depends on output power.
Supply voltage:	9 to 36 VDC.
Operating temperature range:	-20 to +50°C.
Protection capabilities:	Reverse voltage. Reverse RF. Overvoltage. Fan failure. Overheat.
Mechanical dimensions:	Size: 251 x 127.5 x 94.6 mm. Weight: 2.5 Kg.
Operating environment:	RTCA/DO-160 compliant.

MECHANICAL DIMENSIONS & HOW TO ORDER



P/N	Max. Output Power
PA-10-1316*	10 Watt.
PA-10-1722*	10 Watt.
PA-10-4450*	10 Watt.
PA-10-5053*	10 Watt.
PA-5-6470*	5 Watt.

Frequency Range

1,250 - 1,600 MHz
1,700 - 2,200 MHz
4,500 - 5,000 MHz
5,000 - 5,300 MHz
6,400 - 7,000 MHz

* When ARINC front hooks are needed, please add H letter to the P/N, for example: PA-10-1315H

Design and specifications are subject to changes without prior notice. 01/25