

Ultralinear COFDM Power Amplifier

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)
- Good harmonic rejection
- Isolator for protection against high VSWR
- ON / OFF control (by Remote Connector)
- ALC (automatic level control)
- Remote serial interface
- Digital broadcast systems (DVB-T2, DVB-T and ISDB-T)

REMOTE CONTROL

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



Characteristics

PA Ultralinear

Frequency and Output Power:	2,000 - 2,400 MHz 15 Watts 2,300 - 2,700 MHz 10 Watts 3,300 - 3,600 MHz 10 Watts
Input level:	+13 dBm to +20 dBm (ALC)
Control Mode:	Manual: 3 output power levels Remote: By HDT Transmitter
Connectors:	Power supply: MS3112E12-3P Remote: D38999/24 2 x N-female (50 ohms)
Shoulders rejection:	>35 dB @ 15 Watts >40 dB @ 10 Watts
Supply voltage:	9 - 36 V DC
Protection capabilities:	Reverse voltage Reverse RF Overvoltage
Case:	Milled aluminium waterproof
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

HOW TO ORDER:

P/N	Frequency Range	Max. Output Power
PA-15-2024U*	2,000 - 2,400 MHz	15 Watt.
PA-10-2327U*	2,300 - 2,700 MHz	10 Watt.
PA-10-3336U*	3,300 - 3,600 MHz	10 Watt.

* When ARINC front hooks are needed, please add H letter to the P/N, for example: PA-10-2223UH

