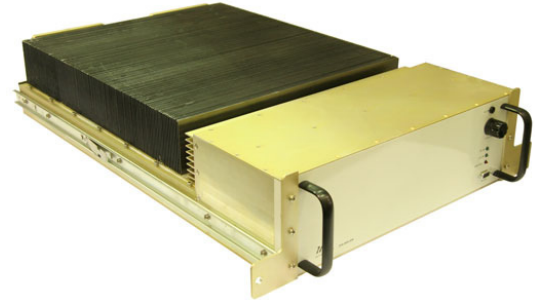


## Product Features

- High Linearity PA for Broadcast of COFDM waveforms
- Waveform support for DVB-H standard
- Fully protected against input overdrive, temperature and output load VSWR conditions
- Integrated AC/DC Power Supply
- Remote control and self monitoring via RS-485 interface
- HPA Monitor GUI software available for PC control (CD included)
- Weather-resistant enclosure intended for use in unprotected environment



## Frequency Band

L-Band: 1670 - 1675 MHz

## Description and Application

DHPA-1670 is a compact modular amplifier, which belongs to the UBS DHPA series of High power amplifiers. This LDMOS based linear high power amplifier is designed for L-Band applications in digital mobile video broadcasting.

The modular design facilitates aggregating multiple units into high power or even redundant configurations.

High performance carbon finned heat sinks ensure reliable cooling, while the robust chassis can operate in both outdoor and indoor environments.

The automatic gain control circuit will compensate for gain variations affected by changes in temperature as well as for the gain change due to devices aging.

## Product Specifications

### Electrical Parameters

Operating Frequency	1670 - 1675 MHz
RF Output Power	250 W
Power Gain	55 dB typ.
Gain Variation Over Temperature	±1 dB max.
Output Emissions	In-band: -27 dB max. Shoulder: -32 dB max.
RF Input VSWR	1.50 : 1 max.
RF Output VSWR	1.20 : 1 max.
Signal Bandwidth	5 MHz

### Interfaces

RF Input	Type-N Female
RF Output	7/16 DIN Female
RF Monitor Output	Type-N Female
Control Interface	RS-485
AC Power	198-264 VAC, 50/60 Hz
Power Consumption	1800 Watts (at rated output power)
External DC Power for internal controller	12-15 VDC; min 0.5A
Dimensions	16.93" x 5.25" x 30.75"
Weight	40 kg
Cooling	Forced air cooling must be provided in the Transmitter cabinet assembly

### Environmental

Operating Temperature Range	-25 to +55 °C
Storage Temperature Range	-40 to +70 °C
Operating Humidity range (non-condensing)	5 to 95%

(specifications are subject to change without notice)