

# LINEAR BROADCAST

## LBA-U25D 25W COFDM DIGITAL TELEVISION AMPLIFIER



The Linear Broadcast 25 watt COFDM broadcast amplifier is a reliable, conservatively rated unit and is fully self contained in a 3RU powder coated rack case. It is fitted with front panel metering of output power and supply voltages. It accepts a single or multi channel low level RF input from a COFDM modulator and outputs up to 25 Watts in the UHF television band.

NXP LDMOS FET devices are used in the RF power stages to achieve it's very good performance specifications.

## SPECIFICATIONS

<b>RF Input level</b>	80 - 110 dBuV, (specify when ordering)
<b>Input Connector</b>	BNC
<b>Input Impedance</b>	50 or 75 ohm (specify when ordering)
<b>Output Power</b>	25 Watts RMS
<b>Output Connector</b>	'N' type connector
<b>Output Frequency Range</b>	470 to 860 MHz
<b>2<sup>nd</sup> Harmonic</b>	-30dBc
<b>3<sup>rd</sup> Harmonic</b>	-40dBc
<b>Two tone IMD</b>	-40dB @ 40 Watts
<b>Shoulders</b>	-45dB @ 25 Watts
<b>Cooling</b>	Fan assisted rear heat sink
<b>Dimensions</b>	3RU rack case x 430mm deep
<b>Gain flatness, 500 to 820 MHz</b>	0.5dB
<b>Weight</b>	8kg
<b>Power Supply</b>	90 – 260VAC, 250VA
<b>Finish</b>	Powder Coat