

# VBA 2700-200-HE

700MHz - 2700MHz 200W Amplifier

- **High reliability GaN design**
- **Low cost, high efficiency Class AB design**
- **Ideal for PIM applications**

The **VBA 2700-200-HE** is a member of our family of 700MHz-2700MHz class AB power amplifiers, specifically designed for PIM applications but also suited to general purpose applications.



Products in the VBA 2700 HE series, are based on GaN technology, offering the user the benefits of high efficiency and low cost. The amplifier is fitted with protection against mismatch loads.

*See overleaf for technical specification*

## Specifications

## VBA2700-200-HE

### Electrical

<b>Frequency Range (Instantaneous)</b>	700 - 2700MHz
<b>Rated Output Power per channel</b>	200W Min
<b>Gain</b>	54dB Min
<b>Third Order Intercept Point (see note 1)</b>	64dBm
<b>Gain variation with Frequency</b>	±2dB
<b>Harmonics at 100W Output Power</b>	Better than -12dBc
<b>Output Impedance</b>	50 Ohms
<b>Stability</b>	Unconditional
<b>Output VSWR Tolerance (see note 2)</b>	Infinity:1
<b>Input VSWR</b>	2:1 (Max)
<b>Supply Voltage</b>	100-264V ac
<b>Supply Frequency Range</b>	47-63Hz
<b>Supply Power</b>	<1.5kVA (Max)
<b>Mains Connector</b>	IEC320-20

### Mechanical

<b>RF Connector Style</b>	Input Type N female, Output 7/16 female, Sample port SMA female.
<b>Safety Interlock</b>	2 x BNC, S/C and O/C to mute
<b>USB/GPIB Interface</b>	Optional
<b>Dimensions</b>	19 inch, 4U case, 550mm deep
<b>Mass</b>	18.8kg
<b>Operating Temperature Range</b>	0 - 40°C
<b>Case Style Options</b>	Rack mount with rear panel connectors

### Regulatory Compliance

<b>Conducted and Radiated Emissions</b>	EN61326 Class A
<b>Conducted and Radiated Immunity</b>	EN61326:1997 Table 1
<b>Safety</b>	EN61010-1

### Notes

- 1 The third order intercept point is a nominal value, as its calculation depends upon the power level at which distortion measurements are made.
- 2 Output VSWR tolerance is specified for excitation within the permitted levels and frequency range.



### Represented Worldwide

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