VBA100-200
10kHz - 100MHz  200W Amplifier

- Rugged push-pull MOSFET technology
- Class A for maximum mismatch drive
- General linear power requirements

The VBA100-200 is a member of our family of 10kHz-100MHz high power amplifiers, designed primarily for EMC applications.

Like all our products of the VBA100 series, it is based on rugged push-pull MOSFET technology, for extra even order harmonic suppression.

The amplifier operates in class A, the benefits for EMC applications being very low distortion and tolerance of 100% mismatch. Fold-back protection is neither fitted nor needed! This makes it supremely suited for very demanding transducer requirements.

Choose Vectawave for high efficiency and performance in your regular power amplifier requirements.

See overleaf for technical specification
### Specifications VBA100-200

#### Electrical
- **Frequency Range (Instantaneous):** 10kHz-100MHz
- **Rated Output Power:** 200W Min (250W typical)
- **Output Power at 1dB Gain Compression:** 150W Min (180W typical)
- **Gain:** 51dB Min
- **Third Order Intercept Point (see note 1):** 61dBm
- **Gain variation with Frequency:** ±2dB
- **Harmonics at 150W Output Power:** Better than -20dBc
- **Output Impedance:** 50 Ohms
- **Stability:** Unconditional
- **Output VSWR Tolerance (see note 2):** Infinity:1
- **Input VSWR:** 2:1 (Max)
- **Supply Voltage:** 100 - 240V ac (+/- 10%)
- **Supply Frequency Range:** 45-63Hz
- **Supply Power:** <1kVA (Max)

#### Mechanical
- **RF Connector Style:** Type N Female
- **Safety Interlock:** Dual input, S/C and/or O/C to Mute
- **USB/GPIB Interface:** Optional
- **Dimensions:** 19 inch, 4U Case, 500mm deep
- **Mass:** 18kg
- **Operating Temperature Range:** 0-40°C
- **Case Style Options:** Rack mount with Front or Rear panel connectors
- **Bench mount with Front panel connectors**

#### Regulatory Compliance
- **Conducted and Radiated Emissions:** EN61326 Class A
- **Conducted and Radiated Immunity:** EN61326:1997 Table 1
- **Safety:** 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.