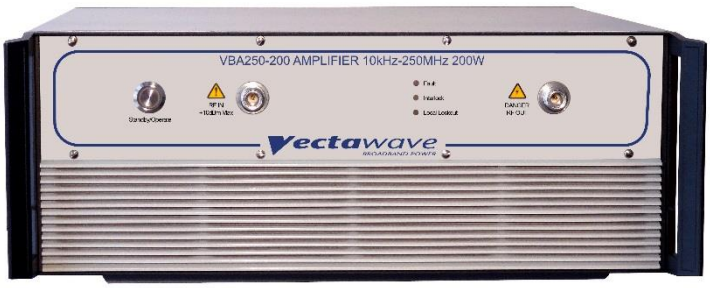
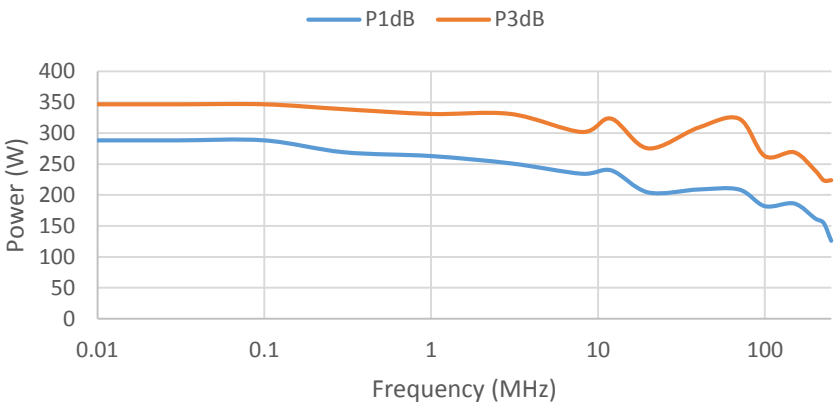
VBA250-200

0.01-250MHz 200W Amplifier



0.01-250MHz 200W P1dB



- Rugged push-pull MOSFET technology
- Class A for maximum mismatch drive

The VBA250-200 is a member of our family of 10kHz-250MHz high power amplifiers, designed primarily for EMC applications.
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

Technical Specification

Electrical	
Frequency Range (Instantaneous)	10kHz-250MHz
Rated Output Power	250W Min (10kHz-80MHz),200W Min(80-250MHz)
Output Power at 1dB Gain Compression	200WMin (10kHz-80MHz),150W Min (80-225MHz)
Gain	54dB
Third Order Intercept Point (see note 1)	64dBm
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)
Mains Connector	IEC 320
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.

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