VBA100-3000A 10kHz-100MHz 3000W Amplifier



The VBA 100-3000A 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 high performance silicon push-pull MOSFET output stages. The amplifier utilizes exclusive power combining techniques, minimizing loss for a more efficient solution.

The amplifier can be controlled from either the front panel or remote control via the Ethernet, USB and GPIB interfaces. The digital interface system manages enabling and disabling the amplifier, monitoring power levels, monitoring power supply health, self diagnostic reporting, communicating with the control computer and implementing electrical interlocks. The keypad and display interface is used for monitoring amplifier state, power levels, interlock states etc. and for configuration options.

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 antenna and test chamber requirements.

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

See overleaf for technical specification.

VECTAWAVE TECHNOLOGY LIMITED UNIT D THE APEX ST CROSS BUSINESS PARK MONKS BROOK NEWPORT ISLE OF WIGHT PO30 5XW UNITED KINGDOM

Rugged push-pull MOSFET technology

ectawave

- **Class A** for maximum mismatch drive
- **High efficiency** proprietary combiner design





Remote GU



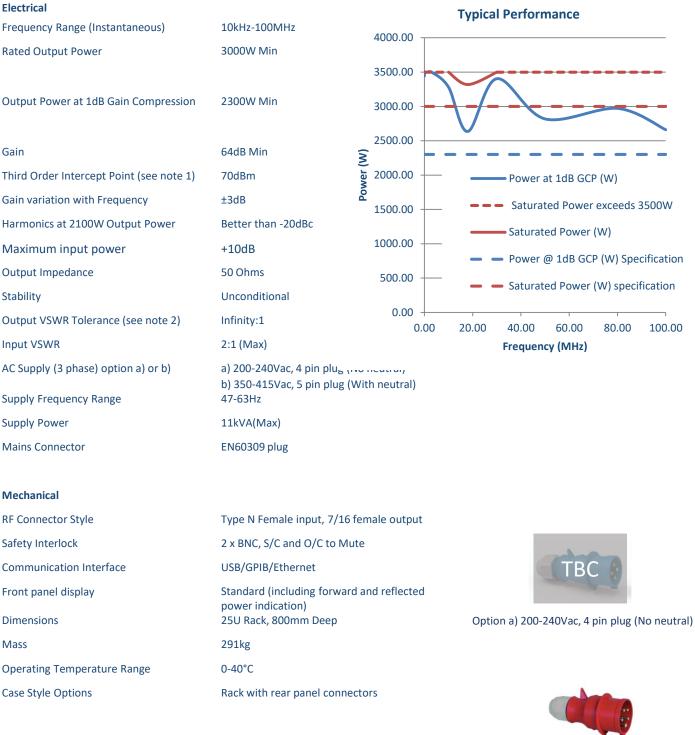


Smooth air exhausts

7/16 RF output

TEL +44 (0) 1983 821 818 EMAIL sales@vectawave.co.uk WWW.VECTAWAVE.COM

Technical Specification



Option b) 350-415Vac, 5 pin plug (With neutral)

Regulatory Compliance

Conducted and Radiated Emissions	EN61326 Class A
Conducted and Radiated Immunity	EN61326:2013 Table 3
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.

1

2 Output VSWR tolerance is specified for excitation within the permitted levels and frequency range.

