

# **VBA 2700-100D-HE**

700MHz - 2700MHz 100W Dual Channel Amplifier

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

The **VBA 2700-100D-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**

## **VBA2700-100D-HE**

#### **Electrical**

Frequency Range (Instantaneous) 700 - 2700MHz **Rated Output Power per channel** 100W Min 51dB Min Third Order Intercept Point (see note 1) 60dBm Gain variation with Frequency ±2dB **Harmonics at 100W Output Power** Better than -12dBc **Output Impedance** 50 Ohms Stability Unconditional **Output VSWR Tolerance (see note 2)** Infinity:1 **Input VSWR** 2:1 (Max) **Supply Voltage** 100-264V ac 47-63Hz **Supply Frequency Range Supply Power** <1.5kVA (Max) IEC320-20 **Mains Connector** 

#### Mechanical

RF Connector Style
Inputs 2x Type N female, Outputs 2x 7/16 female,
Sample ports 2x SMA female.

Safety Interlock
USB/GPIB Interface
Dimensions
19 inch, 4U case, 550mm deep
Mass
18.7kg
Operating Temperature Range
Case Style Options
Rack mount with rear panel connectors

### **Regulatory Compliance**

Conducted and Radiated EmissionsEN61326 Class AConducted and Radiated ImmunityEN61326:1997 Table 1SafetyEN61010-1

## 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.





**Designers and Manufacturers of Solid State RF and Microwave Amplifiers** 

## Represented Worldwide

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