

VBM2560-1

2500MHz-6000MHz 1W Amplifier

- High reliability proven GaAs design
- Class A for maximum mismatch drive
- General linear power requirements

The **VBM 2560-1** module generates in excess of 1W over an instantaneous frequency range of 2.5-6.0GHz. It incorporates balanced stages throughout, for high stability and good port VSWR. The design is based on GaAs technology, and incorporates an internal negative voltage generator



Specifications

VBM2560-1

Electrical

Frequency range	2500-6000MHz
Supply Voltage	12VDC Nominal
Supply Current	1.4 A Max
Small Signal Gain	32dB Min
Saturated Output Power	30.8dBm Min
Gain Flatness	±2dB Max
Input Return Loss	10dB Min
Output Return Loss	10dB Min
1dB Gain Compression	30 dBm Min
Third order Intercept Point	40dBm Typical
Harmonics at 1W (30dBm)	-20dBc Max
Dimensions	130x101x47mm
Operating Temperature Range	0-50°C

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





Technology Limited

Designers and Manufacturers of Solid State RF and Microwave Amplifiers

Represented Worldwide

Vectawave Technology Ltd.

Unit D, The Apex,

**St Cross Business Park, Monks Brook,
Newport, Isle of Wight, PO30 5XW**

Tel: +44 (0) 1983 821 818

Fax: +44 (0) 1983 532 737

E-mail: sales@vectawave.co.uk

www.vectawave.co.uk