

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

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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