



1W1000B

- M1-M3
- 1 Watt CW
- 100kHz-1000MHz

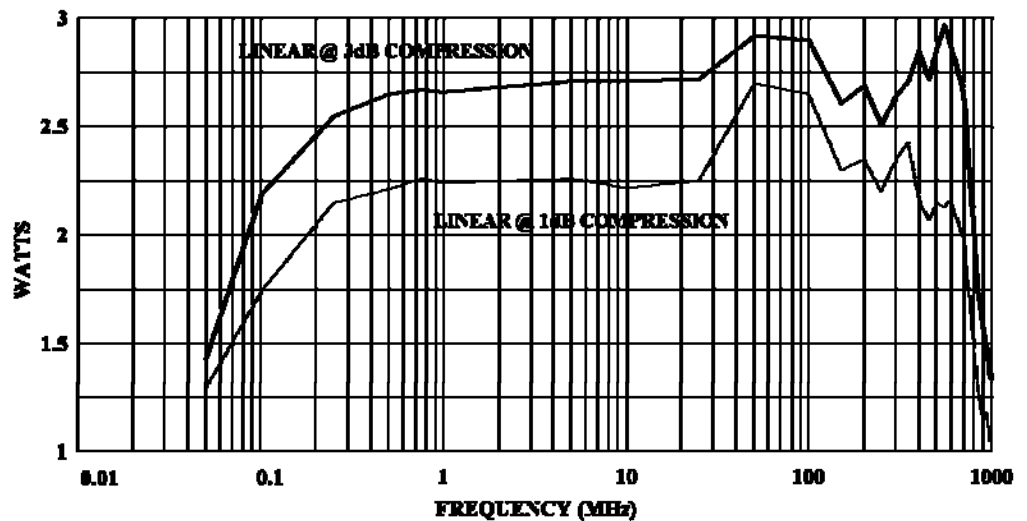
Features

The Model 1W1000B amplifier is a solid state, self-contained, air-cooled, broadband amplifier designed for applications where instantaneous bandwidth and high gain are required. The 1W1000B, when used with an RF sweep generator, will provide a minimum of 1.0 watt of swept power.

Housed in a stylish, contemporary enclosure, the Model 1W1000B provides readily available RF power for typical applications such as RF susceptibility testing, antenna and component testing, watt meter calibration and as a driver for frequency multipliers and high power amplifiers.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

1W1000B TYPICAL POWER OUTPUT



AR RF/Microwave
Instrumentation

USED4TEST

Телефон: +7 (499) 685-7744

used@used4test.ru

www.used4test.ru



1W1000B

- M1-M3
- 1 Watt CW
- 100kHz-1000MHz

Specifications

RATED OUTPUT POWER: 1.0 watts minimum

INPUT FOR RATED OUTPUT: 1.0 milliwatt maximum

POWER OUTPUT @ 3dB compression: Nominal, 2.5 watts; Minimum, 1.0 watts

POWER OUTPUT @ 1dB compression: Nominal, 2 watts; Minimum, 1.0 watts

FLATNESS: ± 0.5 dB typical; ± 1.0 dB maximum

FREQUENCY RESPONSE: 100 kHz-1000 MHz instantaneously

GAIN: 30 dB minimum

INPUT IMPEDANCE: 50 ohms, VSWR 2.0:1 maximum

OUTPUT IMPEDANCE: 50 ohms nominal

MISMATCH TOLERANCE: 100% of rated power without foldback. Will operate without damage or oscillation with any magnitude and phase of source and load impedance. See Application Note #27.

MODULATION CAPABILITY: Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal.

HARMONIC DISTORTION: Minus 20 dBc maximum at 1.0 watts

THIRD ORDER INTERCEPT POINT: 42 dBm typical

PRIMARY POWER: 90-264 VAC; 47-440Hz, single phase; 60 watts maximum

CONNECTORS: See Model Configurations

COOLING: Forced air (self-contained fan)

WEIGHT: See Model Configurations

SIZE (WxHxD): See Model Configurations

EXPORT CLASSIFICATION: EAR99

Model Configurations

MODEL	CONNECTORS	STYLE	SIZE	WEIGHT
1W1000B	N, Front	Benchtop	26.0 x 11.7 x 21.6 cm 10.3 x 4.6 x 8.5 in	4.5 kg 10.0 lbs
1W1000BM1	N, Rear	Benchtop	26.0 x 11.7 x 21.6 cm 10.3 x 4.6 x 8.5 in	4.5 kg 10.0 lbs
1W1000BM2	N, Front	Rack mount	24.1 x 8.9 x 20.3 cm 9.5 x 3.5 x 8.0 in	1.8 kg 4.0 lbs
1W1000BM3	N, Rear	Rack mount	24.1 x 8.9 x 20.3 cm 9.5 x 3.5 x 8.0 in	1.8 kg 4.0 lbs

USED4TEST

Телефон: +7 (499) 685-7744

used@used4test.ru

www.used4test.ru