

NMA 2100 Noise Source Series

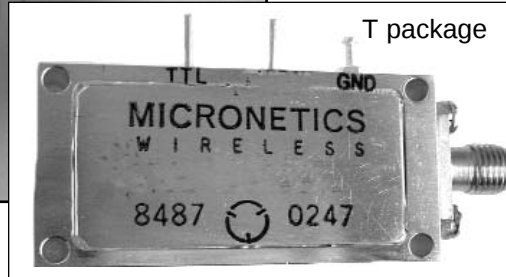
100Hz to 1GHz

6.2008

DIP package



T package



NMA 2100 OUTPUT CHARACTERISTICS

MODEL *	FREQUENCY	NOISE OUTPUT LEVEL					
		FLATNESS	mV/BAND	$\mu V/\sqrt{Hz}$	dBm/BAND	dBm/Hz	ENR(dB)
NMA-2101	+100Hz-100kHz	$\pm 1.0dB$	177	561	-2.0	-52.0	122.0
NMA-2102	+100Hz-300kHz	$\pm 1.0dB$	300	550	+2.6	-52.2	121.8
NMA-2103	+100Hz-1MHz	$\pm 1.0dB$	300	300	+2.6	-57.5	116.5
NMA-2104	+100Hz-3MHz	$\pm 1.0dB$	300	174	+2.6	-62.2	111.8
NMA-2105	+100Hz-10MHz	$\pm 1.0dB$	300	95	+2.6	-67.5	106.5
NMA-2106	+100Hz-30MHz	$\pm 1.0dB$	300	55	+2.6	-72.2	101.8
NMA-2107	1kHz-100MHz	$\pm 1.5dB$	300	30	+2.6	-77.4	96.6
NMA-2108	1kHz-300MHz	$\pm 2.0dB$	300	17	+2.6	-82.2	91.8
NMA-2109	1kHz-500MHz	$\pm 2.0dB$	300	13	+2.6	-84.4	89.6
NMA-2110	1kHz-1GHz	$\pm 2.0dB$	300	10	+2.6	-87.4	86.6

* Available in SMA connectorized package, specify on quote/orders by adding "S" to Model No.

+ Low frequency limit of 100Hz requires a 47mf capacitor wired between pins 13 and 15.

Low frequency limit is 500 Hz without capacitor for 50 ohm models only.

Warning: when using a narrow band filter following the noise module, use a 3 dB or greater pad to prevent damage caused by reflected power.

DESCRIPTION

The NMA 2100 High Power Noise Source Series are designed for testing wideband systems (CDMA, spread spectrum, FM, VHF, UHF) with wide-band signals. Available in standard 24 Pin DIP packages for easy system integration, as well as SMA connectorized packages.

SPECIFICATIONS

- Operating Temperature: -55 to +95°C
- Storage Temperature: -65 to +125°C
- Supply Voltage: +15 VDC
- Temperature Stability: 0.025 dB/°C
- Output Impedance: 50 ohm
- Peak Factor: 5:1

APPLICATIONS

- Back-up source in redundant transmitters
- Built-in self-test in communication receivers
- Power distribution in cellular base stations
- Component testing

reference package styles: E , T, S for dimensions

MICRONETICS
NOISE PRODUCTS