

# NMA 2100 Noise Source Series

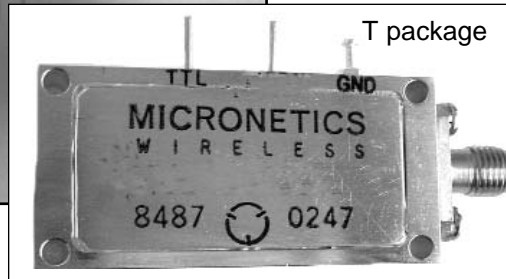
## 100Hz to 1GHz

6.2008

DIP package



T package



### NMA 2100 OUTPUT CHARACTERISTICS

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

reference package styles: E , T, S for dimensions

### 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

# MICRONETICS

NOISE PRODUCTS