

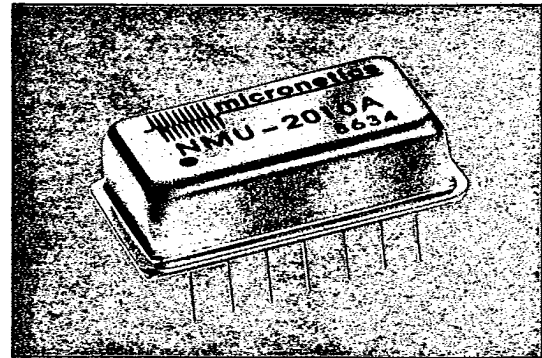

micronetics inc.

A Quatech Company

NMU-2000 SERIES μ-NOISE MODULES

Features:

- True White Symmetrical Gaussian Noise
- TTL Modulation Control (0.5μSec Switching)
- Ultra Compact Size .875" x .500" x .24"
- High Freq, BroadBand Outputs
- Pick And Choose Options To Match Your Performance Requirement
- 14 Pin DIP



OUTPUT CHARACTERISTICS-50 OHM LOAD

Model	Frequency Range ⁽²⁾	Noise Output Level			Power	
		Flatness	ENR (dB)	μV/√Hz dBm/band		
NMU-2006H	1MHz-30MHz	± .5dB	30 (Min)	.014	+15V ⁽¹⁾ 2mA max.	
NMU-2006L	1MHz-30MHz	± .5dB	15.5	.0027		
NMU-2009H	1MHz-500MHz	± .5dB	30 (Min)	.014		
NMU-2009L	1MHz-500MHz	± .5dB	15.5	.0027		
NMU-2010H	1MHz-1GHz	± .5dB	30 (Min)	.014		
NMU-2010L	1MHz-1GHz	± .5dB	15.5	.0027		
NMU-2011H	1MHz-1.5GHz	±1.5dB	30 (Min)	.014		
NMU-2011L	1MHz-1.5GHz	± .5dB	15.5	.0027		
NMU-2012H	1MHz-2GHz	±2.0dB	30 (Min)	.014		+28V 20mA max.
NMU-2013H	1MHz-4GHz	±2.0dB	30 (Min)	.014		
NMU-2014H	1MHz-6GHz	±2.0dB	30 (Min)	.014		

(1) +28 VDC Supply Voltage Available

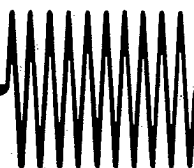
(2) Other Low Frequency Limits Available

Specifications:

Load Impedance	50 Ohm
Operating Temperature	-55°C to 85°C
Temp. Coefficient	.025 dB/°C Typ.
Voltage Supply	
Sensitivity	
.5-1.5 GHz Models	.4 dB/100 mV
2.0-6.0 GHz Models	.1 dB/100 mV
Maximum Storage Temperature	-62°C to 150°C

Available Options (Call Factory)

- Improved Temperature & Supply Voltage Sensitivity
- TTL Modulation For Full On To Full Off
- Customer Determined Output Level (<30 dB ENR) with VSWR of 1.2

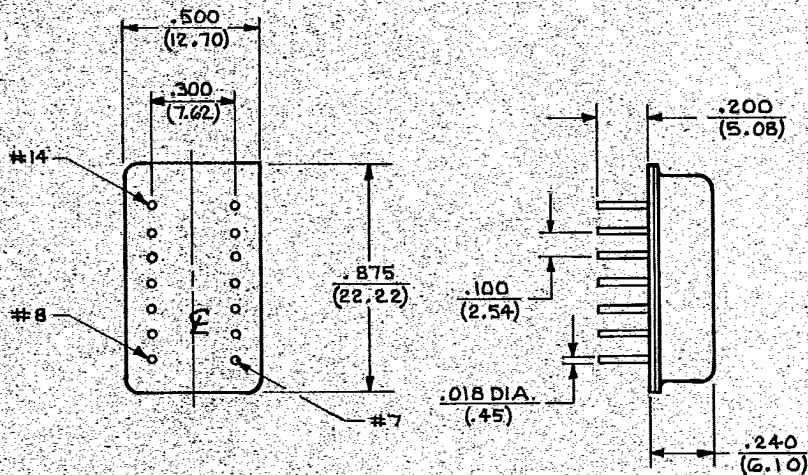

micronetics inc.

36 Oak Street • Norwood, NJ 07648 • (201) 767-1320 • TWX: 710-991-9603 • FAX: 201-767-6551

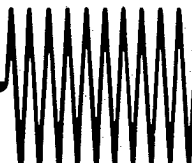
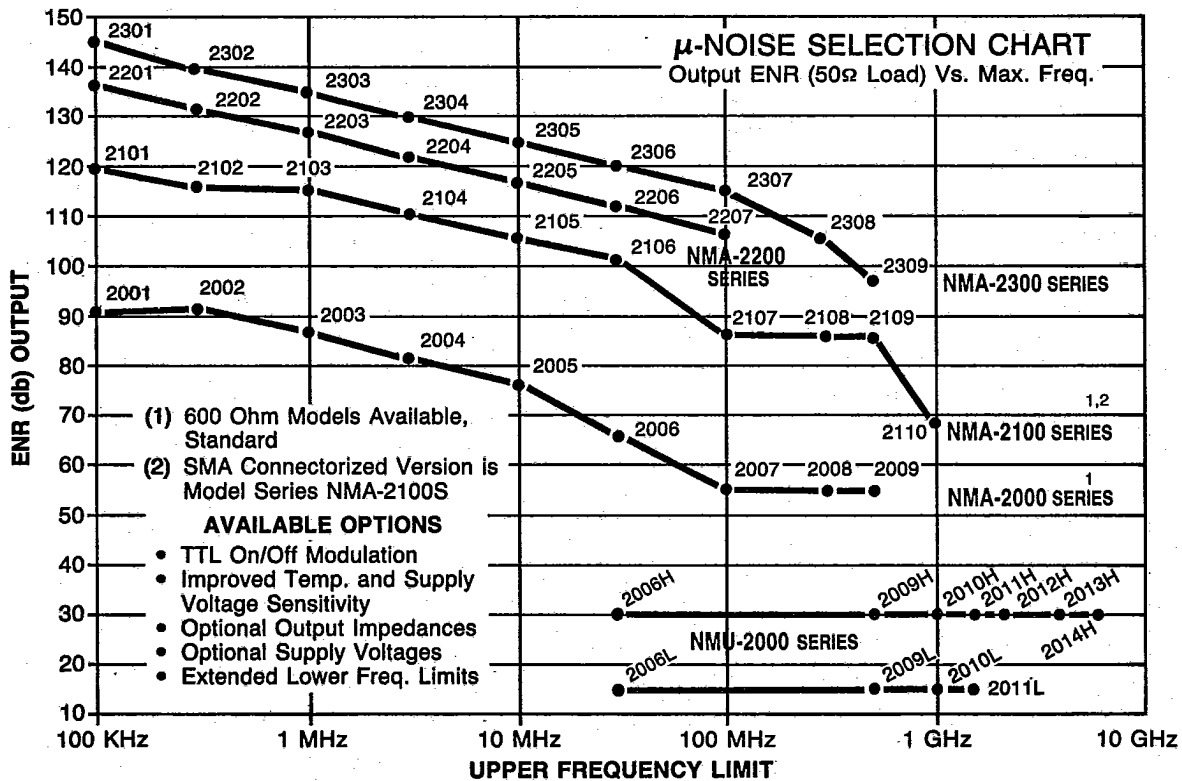
1/87 Preliminary Data Sheet

Outline Dimensions Inches (mm)

PIN	FUNCTION
7	GROUND
8	NOISE OUTPUT
14	SUPPLY VOLTAGE



DIMENSIONS IN PARENTHESIS ARE MILLIMETERS



micronetics inc.

36 Oak Street • Norwood, NJ 07648 • (201) 767-1320 • TWX: 710-991-9603 • FAX: 201-767-6551