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 DUAL-IN-LINE
 

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 AMPLIFIED NOISE
 

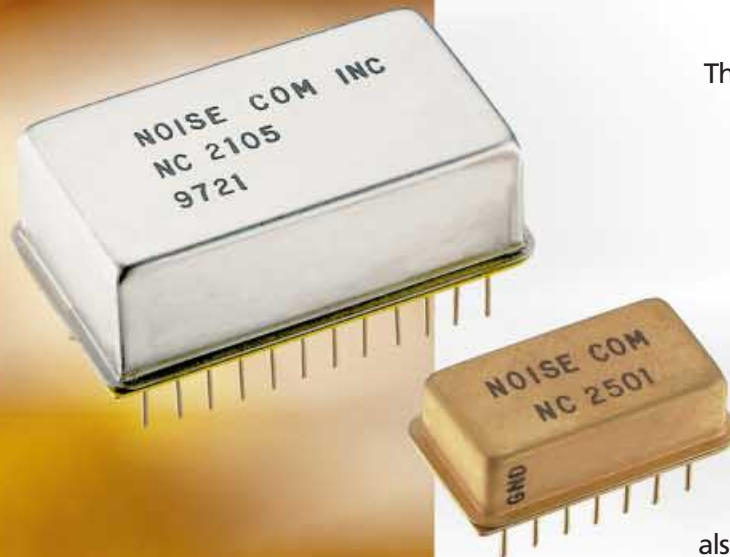
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 MODULES
 

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The *NC2000 Series* amplified noise modules are an excellent choice when a high-level noise output is desired and the noise source must be mounted on a circuit board.

The *NC2000 Series* modules are housed in 24-pin dual-in-line packages.

Modified specifications are also available in 14-pin dual-in-line packages. Consult Noise Com for availability.

### General Specifications:

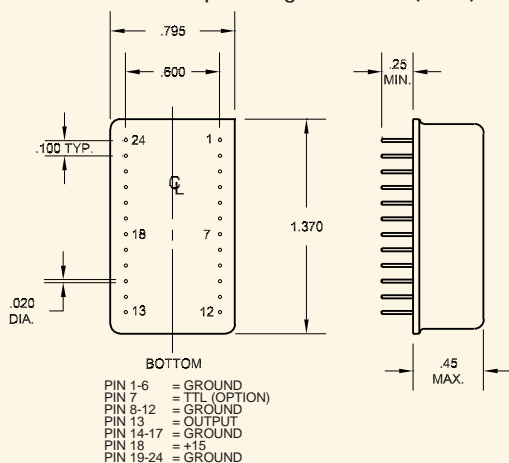
Crest factor	5:1
High-end roll off	6 dB per octave typical
Operating voltage	+15 VDC, +12 VDC optional
Storage temperature	-65° to +125°C
Operating temperature	Commercial -40° to +85°C; Military -55° to +125°C
Typical temperature coefficient	0.025 dB/°C
Housing	24-pin packages; 14-pin optional

Specifications subject to change without notice.

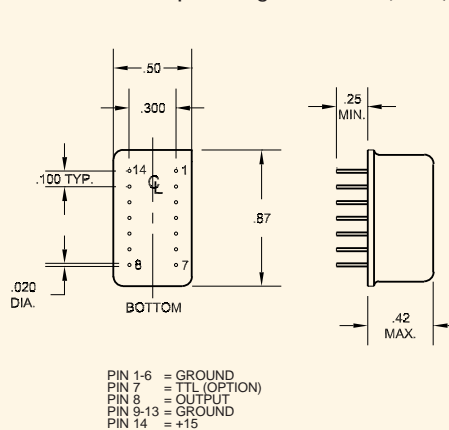
### Applications:

- Dither circuitry for A/D converters
- Communications jamming
- Gain-bandwidth product testing
- Built-in test equipment (BITE)

NC2000 Series 24-pin Package Dimensions (inches)



NC2000 Series 14-pin Package Dimensions (inches)



## NC2000 SERIES

MODEL	FREQUENCY RANGE	OUTPUT CHARACTERISTICS				LOAD IMPEDANCE(?)	I (max) (mA)
		OUTPUT LEVEL	FLATNESS (dB)	dBm/Hz	$\mu\text{V}/\sqrt{\text{Hz}}$		
NC2101	100 Hz - 20 kHz	0.150 Vrms	$\pm 0.75$	-63	1061.0	2200	10
NC2102	100 Hz - 100 kHz	0.150 Vrms	$\pm 0.75$	-70	474.0	2200	10
NC2105	500 Hz - 10 MHz	0.150 Vrms	$\pm 1.0$	-87	47.4	1000	10
NC2201*	1 MHz - 100 MHz	+5 dBm	$\pm 0.75$	-75	40.0	50	100
NC2401*	1 MHz - 500 MHz	0 dBm	$\pm 1.0$	-87	10.0	50	100
NC2501*	1 MHz - 1 GHz	-5 dBm	$\pm 1.0$	-95	4.0	50	100
NC2601*	1 MHz - 2 GHz	-5 dBm	$\pm 2.0$	-98	2.8	50	100

\*Crest factor is 2:1 for these models

## OPTIONS

Option Number	Description
NC2opt01	Military version in compliance with MIL-E-5400T Class 2 (add suffix M).
NC2opt02	TTL control "High" is on (add suffix T).
NC2opt03	Inverted TTL control "Low" is on (add suffix IT).
NC2opt04	14-pin instead of 24-pin package (NC2201 — NC2601 models only)
NC2opt05	+12 VDC operating voltage (instead of +15 VDC)