



10 MHz to 2 GHz DIP Packaged Noise Source Module, Output Pout of -5 dBm, +15 VDC, 24 PIN

The FMNSNS5000 is a dual in-line packaged (DIP) noise source module which operates over a frequency range from 10 MHz to 2 GHz. The industry standard 24 pin DIP package is particularly useful in circuit board applications used for builtin test equipment, dithering for increased dynamic range of A/D converters, and as a source for bit error rate testing. The design utilizes internal filtering to limit bandwidth and operates at +15 Vdc. Noise Output level is -5 dBm with maximum flatness of ± 2 dB. The ouput White Gaussian Noise has a minimum power level of -98 dBm/Hz and a Crest Factor of 5:1. Operating temperature range is -55°C to +125°C with a temperature coefficient of 0.025 dB/°C.



Description	М	in	Ty	/p	Max	U	nits	
Frequency Range	0.0	01			2	(GHz	
Impedance			5	0		0	hms	
Flatness					±2		dB	
Thermal Sensitivity			0.0)25	dB/deg		deg C	,
Output Power			-	5	dBm		lBm	
Noise Power Spectral De	Density		- 9	98	dBm/H:		m/Hz	
Bias Voltage 1			1	5		Volts		
Input Current 1					100	ı	mΑ	
Crest Factor			5:	:1				

Mechanical Specifications

 Size
 1.38 in [35.05 mm]

 Width/Dia.
 0.795 in [20.19 mm]

 Height
 0.7 in [17.78 mm]

 Package Type
 Drop In

 Connectors
 DC Connector

Environmental Specifications Temperature

Operating Range -55 to +125 °C Storage Range -65 to +150 °C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- Industry Standard 24 Pin DIP Packaged Noise Source module
- Frequency Range: 10 MHz to 3 GHz
- Noise Output Level: -5 dBm
- Internal Filtering to limit bandwidth
- Maximum Flatness: ±2 dB
- White Gaussian Noise Output
- Minimum power level -98 dBm/ Hz
- DC Voltage: +15 Vdc
- -55°C to +125°C Operating Temperature
- Crest Factor: 5:1

Applications:

- Noise Figure Test & Measurment
- Built-In Test Equipment
- Dithering for Increased Dynamic Range for A/D Converters
- Source for Bit Error Rate Testing

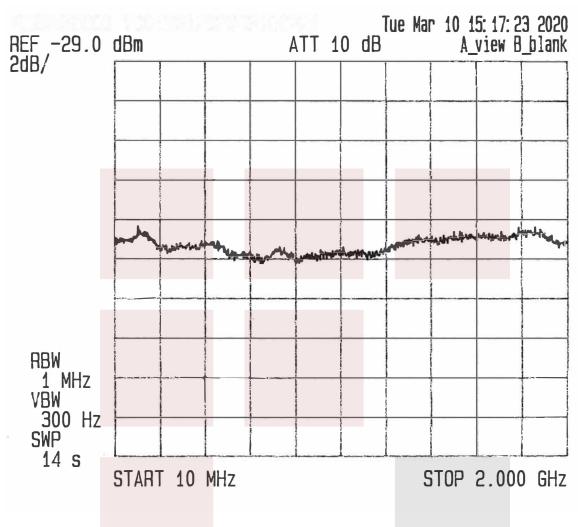
Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689

www.fairviewmicrowave.com sales@fairviewmicrowave.com





Typical Performance Data



10 MHz to 2 GHz DIP Packaged Noise Source Module, Output Pout of -5 dBm, +15 VDC, 24 PIN from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

Click the following link to obtain additional part information: 10 MHz to 2 GHz DIP Packaged Noise Source Module, Output Pout of -5 dBm, +15 VDC, 24 PIN FMNS5000

URL: https://www.fairviewmicrowave.com/dip-package-calibrated-noise-source-pout-negative-5-dbm-200-ghz-fmns5000-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





