



10 MHz to 2 GHz DIP Packaged Noise Source Module, Output Pout of -5 dBm, +15 VDC, 14 PIN

The FMNSNS5002 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 14 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 of -5 dBm with maximum flatness ± 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	Min	Ty	ур	Max	U	Inits	
Frequency Range	0.01			2		GHz	
Impedance		5	0		С	hms	
Flatness				±2		dB	
Thermal Sensitivity		0.0)25		dB	/deg C)
Output Power		-	5		(dBm	
Noise Power Spectral De	nsity	_(98		dB	m/Hz	
Bias Voltage 1		1	5		1	V olts	
Input Current 1				100		mΑ	
Crest Factor		5	: 1				

Mechanical Specifications

Size Length Width/Dia. Height	0.87 in [22.1 mm] 0.498 in [12.65 mm] 0.62 in [15.75 mm]
Package Type	Drop In
Connectors DC Connector	Pin

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 14 Pin DIP
 Packaged Noise Source module
- Frequency Range: 10 MHz to 2 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

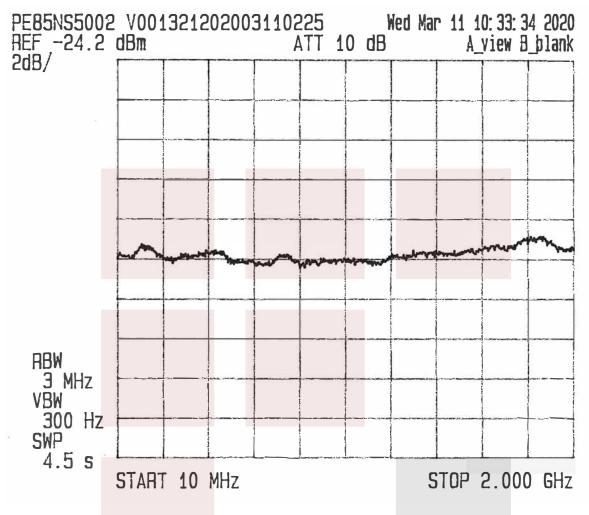
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Typical Performance Data



10 MHz to 2 GHz DIP Packaged Noise Source Module, Output Pout of -5 dBm, +15 VDC, 14 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, 14 PIN FMNS5002

URL: https://www.fairviewmicrowave.com/noise-source-pout-negative-5-dbm-2-ghz-fmns5002-p.aspx

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