Noise and gain analyser NGA

2MHz to 1800MHz

Features

- PCB sub assembly
- high linearity
- low input noise figure
- 90KHz wide noise sample
- 3.5mm jack 600Ω balanced output for PC soundcard or AF voltmeter drive
- requires +5dBm local oscillator input at the test frequency

Applications

- preamplifier or down converter noise figure and gain measurements using a calibrated noise source
- antenna measurements using a local or celestial noise source
- wireless R&D, production test, radio astronomy and radio ham workbench

Electrical specifications at 20°C

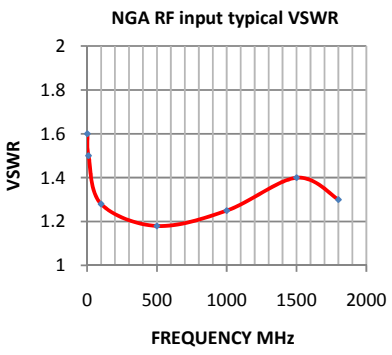
model	Frequency (MHz)		ENR + DUT gain*	Incidental CW level 2MHz to 1800MHz	50 Ω VSWR (:1)	DC power	
	min	max	max (dB)	max (dBm)	RF input max	Volt	Current mA max
NGA	2	1800	35	-35	1.7	11.5 – 15	85

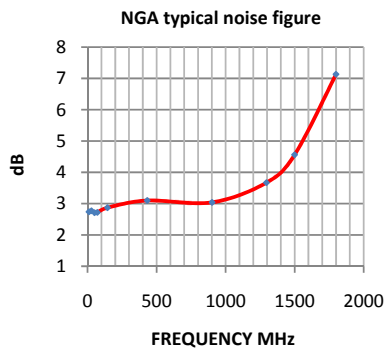
*ENR of the calibrated noise source, DUT = Device under test. The maximum specification may be extended using a fixed attenuator following the DUT.

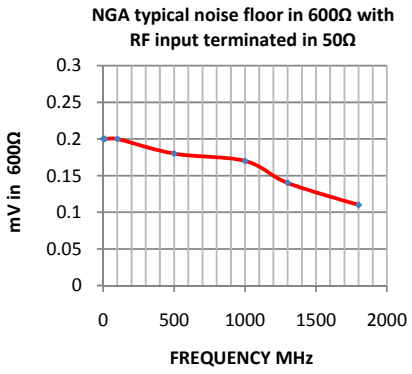
Maximum ratings

Storage temperature	-30°C to + 70°C
Operating temperature	-10°C to +35°C
DC power supply	+16.0V
RF and LO input	+13dBm. ±25v DC.

PCB dimensions: 95mm by 35mm. Weight: 17g.







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Application notes and additional data available at www.rfdesignuk.com