

Broadband Noise Generators

- 10 Hz - 18GHz
- High Output, up to +30dBm
- White Symmetrical Gaussian Noise
- Test Instrument
- Flat Output
- Fine Attenuation Control
- Standard and Custom Options



General Specifications

Attenuator Ranges	0 to 10dB in 1dB steps (standard) 0 to 100dB in 10dB steps 0 to 1.0dB in 0.1dB steps
RF Output Connector	SMA Female
Front Panel	RF Output Attenuator Control Knobs On/Off Switch
Rear Panel	IEC AC Power Connector AC Power Switch AC Fuse
Operating Temperature	-10+50C
Specification Temperature	+25C
Input Power	80-240V @ 50/60Hz
Instrument Size	14.6 (370) x 4.4 (110) x 11.8 (300) ins. (mm) plus Carry / Tilt handle

The ANG series of general purpose noise generators provide up to 1 watt of white Gaussian noise output in several models over the 10Hz to 18GHz frequency range, with custom options to 40GHz and are designed to be used either as laboratory instruments or as built-in system test facilities.

The noise, which is diode generated, is amplified and the level can be varied in 1dB steps from 0 to 10dB or optionally in 0.1dB steps from 0 to 111dB. Further standard options are available in addition to the ability to provide custom solutions for particular applications.

Options:

- 01A Alternative 100dB attenuator in 10dB steps (for frequencies up to 2GHz)
- 01B Alternative 60dB attenuator in 10dB steps (for frequencies over 2GHz)
- 02A Additional 100dB attenuator in 10dB steps (for frequencies up to 2GHz)
- 02B Additional 60dB attenuator in 10dB steps (for frequencies over 2GHz)
- 03 Custom A.C input
- 04 Signal Combiner input. (6dB signal & noise loss)
- 05 Marker input
- 06 19" x 2U rack mount
- 07 Type N Female output connector
- 08 BNC Female output connector (for frequencies up to 2GHz only)
- 09 75 ohm impedance (6dB loss) (for frequencies up to 2GHz only)
- 10 Additional 1dB attenuator on 0.1 dB steps (for frequencies up to 2GHz only)
- 11 Output Switch with TTL Control

Note: Standard Attenuator

0-10dB in 1dB steps for frequencies up to 2.5GHz

0-9dB in 1dB steps for frequencies over 2.5GHz

Custom Options:

- Frequency Range
- Output Power
- Alternative Connectors
- D.C. Input Power
- Dual Outputs
- Signal Input Attenuator
- Continuously Variable Attenuators
- Digitally Remote Controlled Attenuators
- Filtered Output

Model No	Frequency Range	Out. Pwr. (dBm) nom.	Noise Density (dBm/Hz) nom.	Output Flatness (±dB) typ.	Output Impedance (Ohms) nom.
ANG-1601	10Hz-20KHz	+13	-30	0.5	50
ANG-1603	10Hz-500KHz	+13	-44	0.5	50
ANG-1605	10Hz-10MHz	+13	-57	0.8	50
ANG-1607	100Hz-100KHz	+13	-67	1.0	50
ANG-1608	100Hz-500MHz	+10	-77	1.5	50
ANG-1609	100Hz-1GHz	+10	-80	2.0	50
ANG-1610	100Hz-1.5GHz	+10	-82	2.0	50
ANG-1612	1MHz-2GHz	0	-93	2.5	50
ANG-1613	10MHz-2.5GHz	+10	-84	1.5	50
ANG-1624	2GHz-4GHz	-10	-103	2.5	50
ANG-2618	2GHz-18GHz	-20	-122	3.0	50
ANG-1801	500Hz-20KHz	+30	-13	2.0	50
ANG-1803	500Hz-500KHz	+30	-27	2.0	50
ANG-1805	500Hz-10MHz	+30	-40	2.0	50
ANG-1807	250KHz-100MHz	+30	-50	2.0	50
ANG-1808	10MHz-200MHz	+30	-53	2.0	50
ANG-1809	10MHz-300MHz	+30	-55	2.0	50
ANG-1810	2MHz-500MHz	+30	-57	2.0	50
ANG-1811	5MHz-1GHz	+30	-60	3.0	50

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