NMA 2000 NOISE MODULES
100Hz TO 2GHz

NMA 2000 OUTPUT CHARACTERISTICS

MODEL*	FREQUENCY	NOISE OUTPUT LEVEL						CURRENT
		FLATNESS	mV/ BAND	µV/√Hz	dBm/ BAND	dBm/Hz	ENR(dB) Typ.	mA Typ.
NMA-2001	100Hz-100kHz	±0.5dB	10	31.6	-27±3.0%	-77	97.0	12
NMA-2002	100Hz-300kHz	±0.5dB	10	18.2	-27±3.0%	-82	92.2	12
NMA-2003	100Hz-1MHz	±0.5dB	10	10.0	-27±3.0%	-87	87.0	12
NMA-2004	100Hz-3MHz	±0.5dB	10	5.8	-27±3.0%	-92	82.2	12
NMA-2005	100Hz-10MHz	±0.5dB	10	3.2	-27±3.0%	-97	77.0	12
NMA-2006	100Hz-30MHz	±0.5dB	10	1.8	-27±3.0%	-102	72.2	12
NMA-2007	500Hz-100MHz	±0.75dB	10	1.0	-27±3.0%	-107	67.0	25
NMA-2008	500Hz-300MHz	±1.0dB	10	0.57	-27±3.0%	-112	62.2	25
NMA-2009	500Hz-500MHz	±1.0dB	10	0.45	-27±3.0%	-114	60.0	25
NMA-2010	100kHz-1.0GHz	±1.0dB	10	0.32	-27±3.0%	-117	57.0	75
NMA-2011	100kHz-1.5GHz	±1.0dB	10	0.26	-27±3.0%	-119	55.2	75
NMA-2012	100kHz-2.0GHz	±1.0dB	10	0.22	-27±3.0%	-120	54.0	75

*For SMA connectorized package add "S"to Model No.

DESCRIPTION

The NMA 2000 Noise Module is designed to simulate a variety of environmental conditions in sophisticated radar systems. In addition, it is often used for testing industrial and/or military communication systems. The NMA 2000 offers filtered output which eliminates unwanted noise outside of the specified frequency range. It also provides a great deal of temperature stability, which guarantees optimum performance even under constantly-changing environmental conditions.

SPECIFICATIONS

- Operating Temperature: -55 to +95°C
- Storage Temperature: -65 to +125°C
- Supply Voltage: +15 VDC
- Temperature Stability: .025/°C
- Output Impedance: 50 ohm
- Peak Factor: 5:1

APPLICATIONS

- Signal simulation in communication systems
- Environmental simulation (hail, rain or wind shear) in radar systems
- Built-in self-test for communication and radar receivers
- Security/digital encryption

FOR OUTLINE DRAWINGS REFER TO PAGE 23