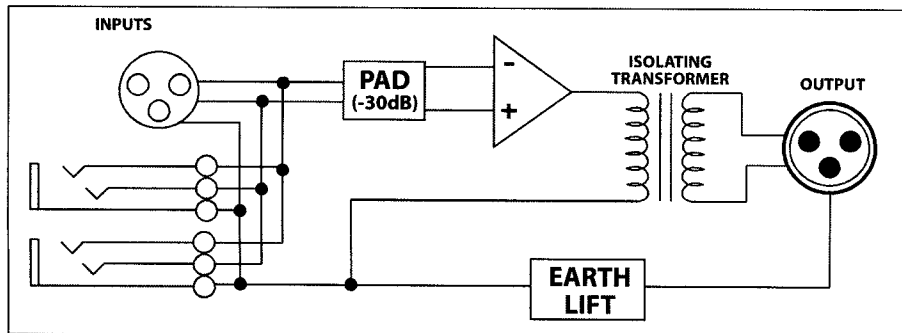


DN100 Features

- ⊕ Phantom (+48V) powered
- ⊕ Accepts a maximum input level of +40dBu
- ⊕ Switchable -30dB input pad
- ⊕ Earth lift switch isolates input and output grounds
- ⊕ Extended dynamic range and lower noise floor
- ⊕ Rugged thick aluminium shell and tough silicone rubber casing
- ⊕ Security slot for Kensington MicroSaver security cable
- ⊕ Pad (-30dB), Earth lift and +48V Phantom LED indicators
- ⊕ Extended low frequency response



The DN100 is an active DI box providing transformer isolation impedance matching and attenuation into a low impedance active balanced input.

The output is transformer balanced and isolated capable of driving +10dBu into a 2k ohm load.

Input		Output	
Type	Active electronic, balanced or unbalanced	Type	Transformer isolated
Impedance	1M ohms nominal, balanced or unbalanced jack 20k ohms (XLR input only)	Impedance	300 ohms
Connectors	2 quarter inch jacks and one 3 pin XLR connected in parallel	Connector	3 pin XLR
Maximum Level	+40dBu	Maximum Level	+10dBu with load >2k ohms
		Minimum Load	600 ohms
Noise	-100dBu, 20Hz to 20kHz unweighted with input terminated by 50 ohm resistor	Frequency Response	+0.5dB/-1dB 20Hz to 20kHz
Distortion (THD+N)	<0.01% @1kHz, +4dBu output		
Power Requirements			
Voltage	+48V Phantom*	Current Consumption	<10mA
Physical Measurements			
Length	142mm (5.6 inch)	Width	106mm (4.2 inch)
Height	60mm (2.35 inch)	Weight	<1Kg

*The DN100 has been designed to allow use at phantom voltages less than +48V. The unit will function down to +20V (when used with 6k8 dropping resistors) but with reduced headroom and dynamic range. All the specifications above are quoted using standard +48V phantom power.

Due to the company policy of continual improvement, we reserve the right to alter these specifications without prior notice. E&OE.

Limited International Warranty

Klark Teknik products are warranted to be free from defects of materials and workmanship for a period of three (3) years from delivery to the original user.

If malfunction occurs, the item will be repaired (or replaced at our option) without charge for material or labour if it is delivered prepaid to: Klark Teknik Group (UK) PLC, Walter Nash Road, Kidderminster, Worcestershire, DY11 7HJ.

Warranty does not extend to the exterior finish or to malfunction due to abuse or operation of the product other than under specified conditions, nor does it extend to incidental or consequential damages. Some countries do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Klark Teknik Group or one of its authorised service agents, (without prior written authorisation) will void this warranty. This warranty gives you specific legal rights, and you may also have other rights, which vary from country to country.

Klark Teknik Group

Walter Nash Road, Kidderminster,

Worcestershire, DY11 7HJ, ENGLAND

Tel: +44 (0) 1562 741515 Fax: +44 (0) 1562 745371

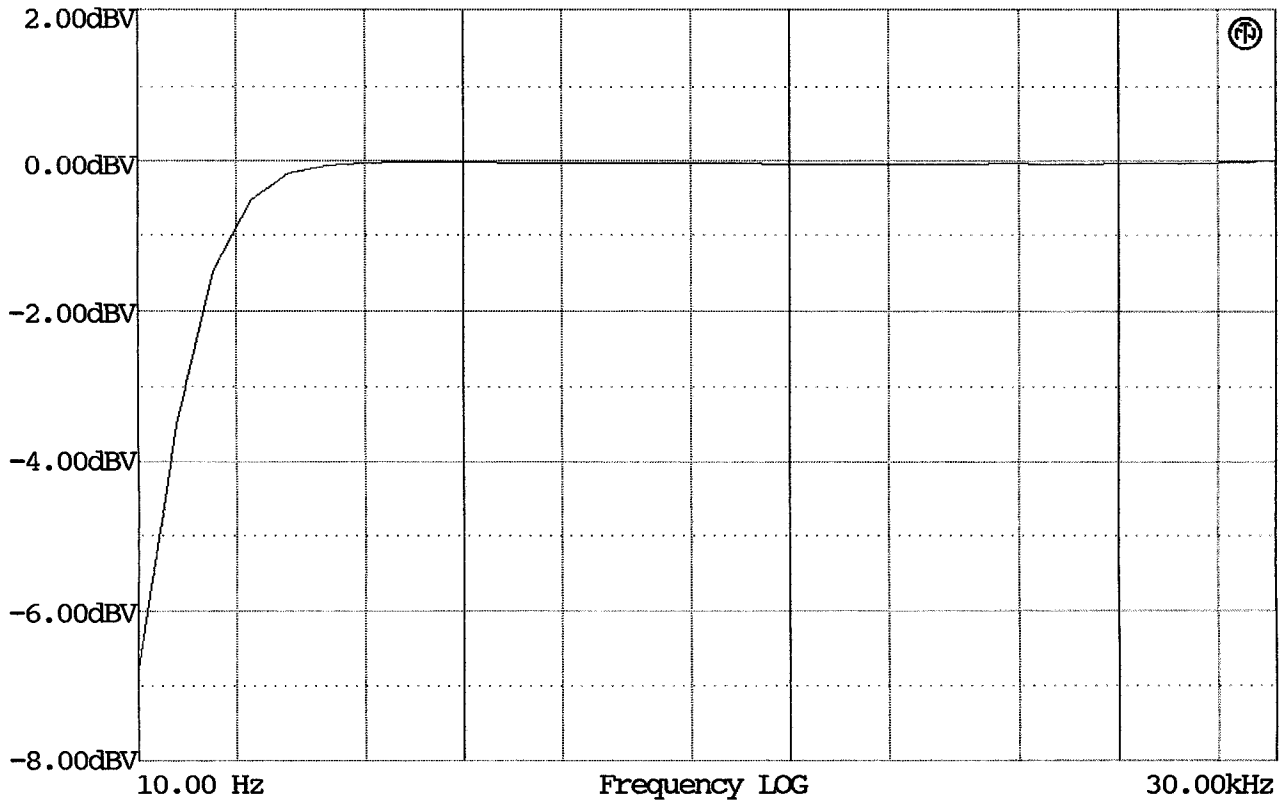
LEVEL
06.12.2009
20:06:01

Output: Analog
Imp: 600Ohm
Sine
-0.00dBV 250.0 Hz

Input: Analog
Imp: 100kOhm

Filter:
Off

A: -0.01dBV 249.9 Hz



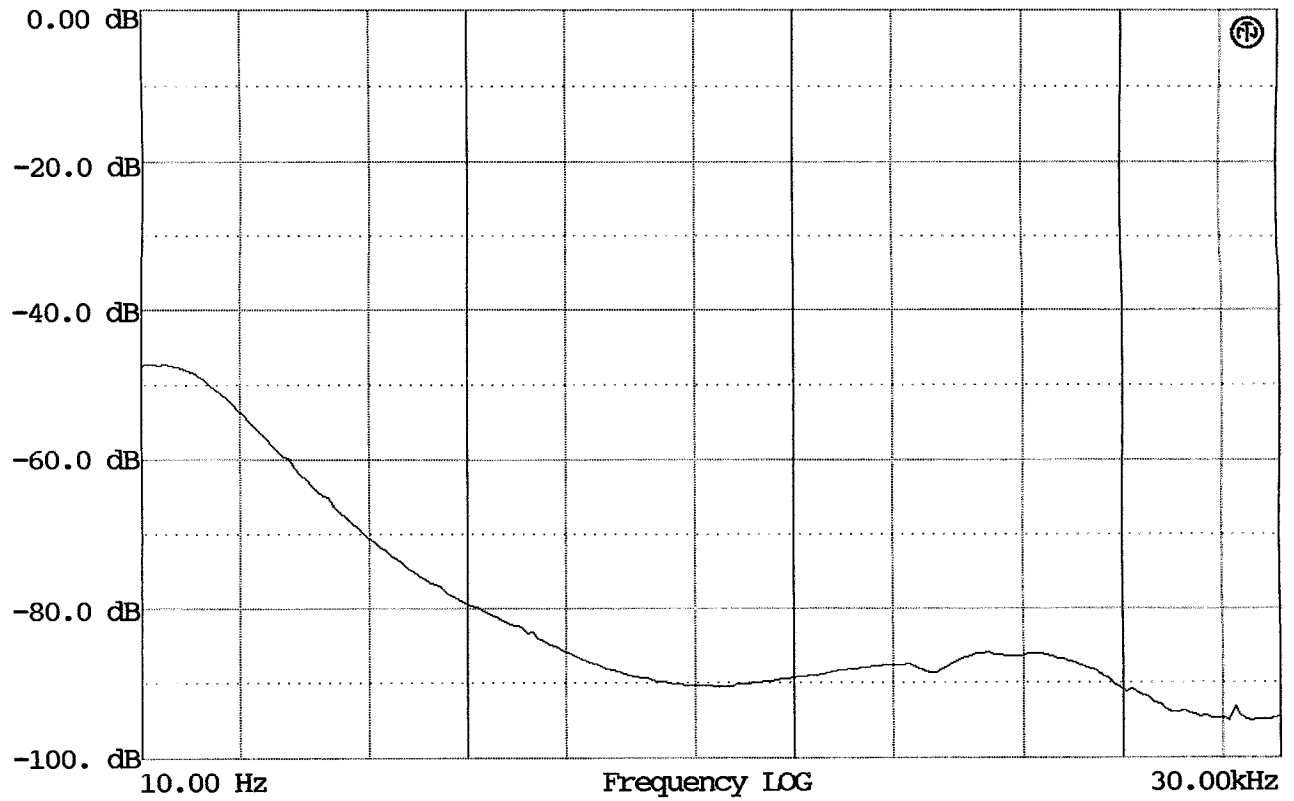
THD+N
06.12.2009
20:11:32

Output: Analog
Imp: 600Ohm
Sine
-0.00dBV 250.0 Hz

Input: Analog
Imp: 100kOhm

Filter:
AUDIOBP

A: -0.01dBV 249.9 Hz



JH 100 48V

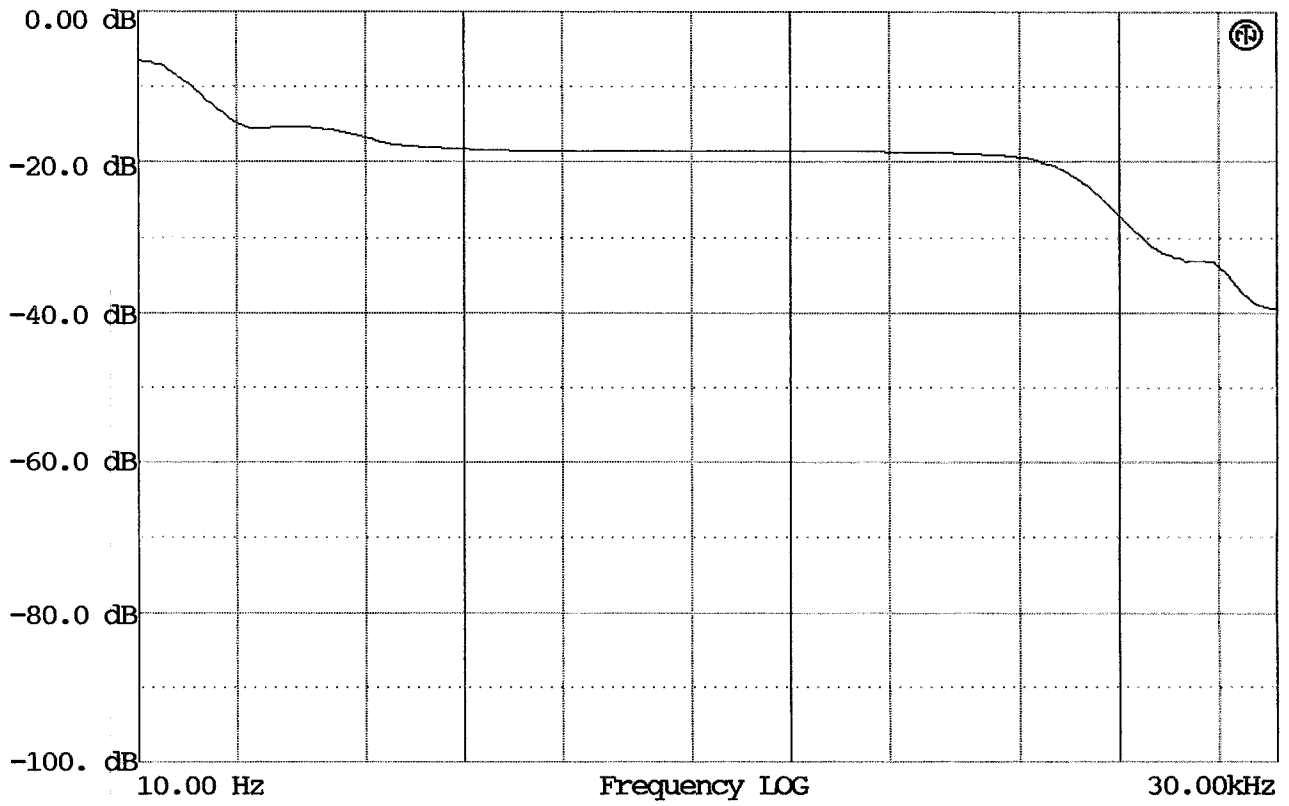
THD+N
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Output: Analog
Imp: 600Ohm
Sine
10.0dBV 250.0 Hz

Input: Analog
Imp: 100kOhm

Filter:
AUDIOBP

A: 8.56dBV 249.9 Hz



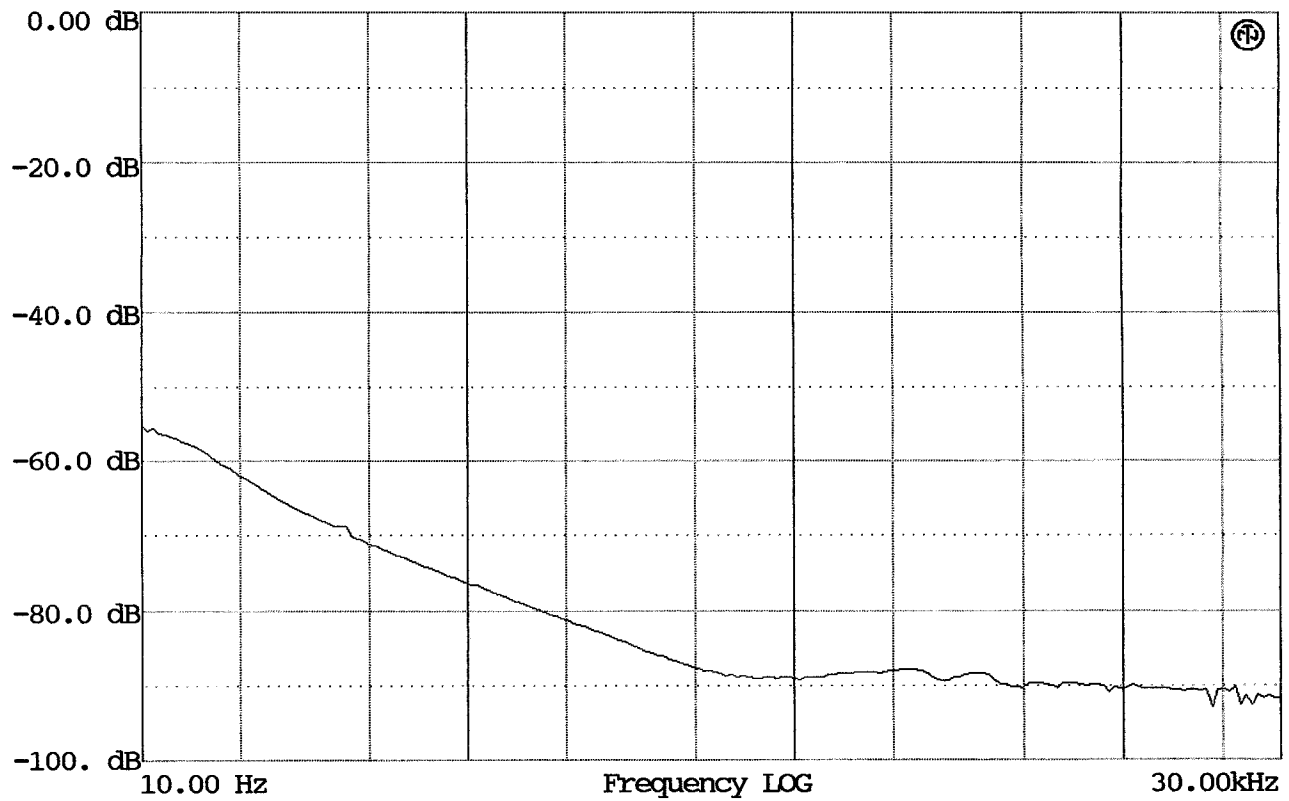
THD+N
06.12.2009
20:24:06

Output: Analog
Imp: 600Ohm
Sine
-10.0dBV 250.0 Hz

Input: Analog
Imp: 100kOhm

Filter:
AUDIOBP

A: -10.0dBV 249.9 Hz



DM100 4PV

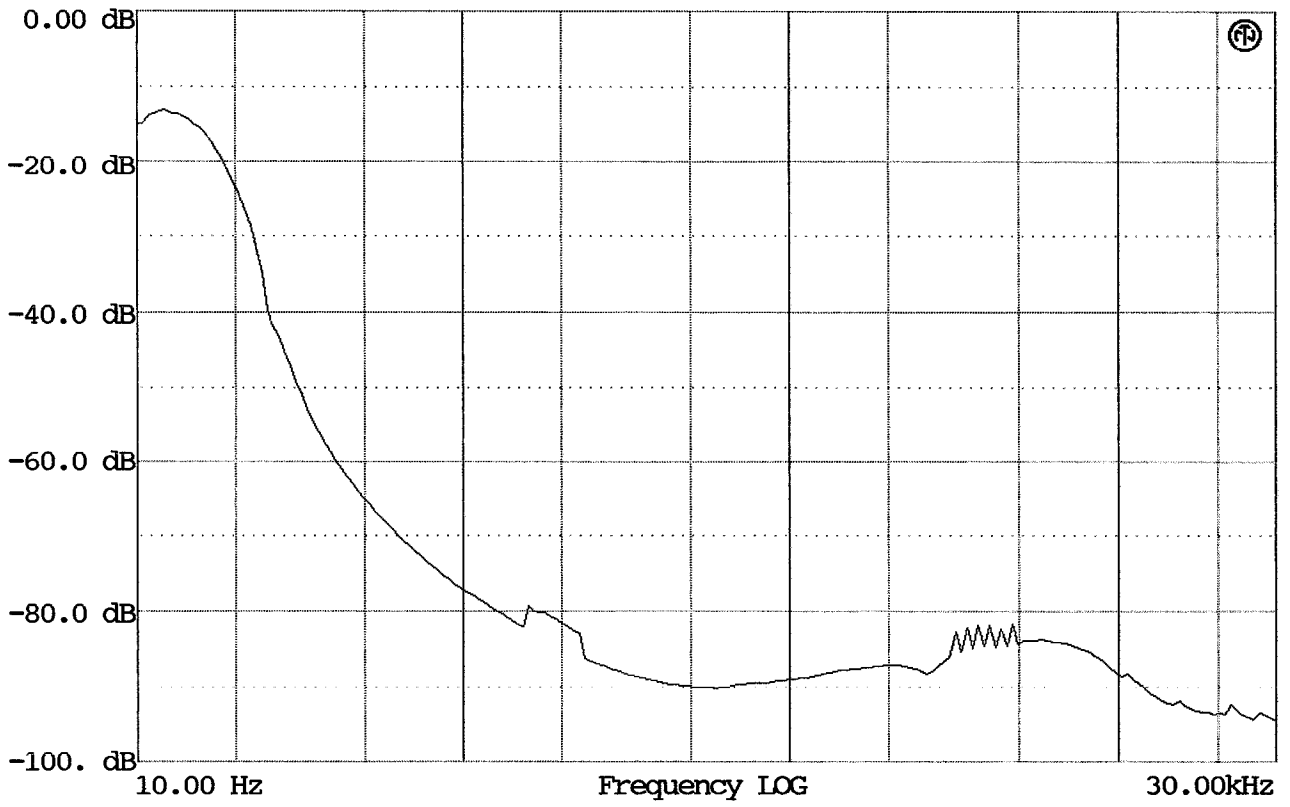
THD+N
06.12.2009
20:32:03

Output: Analog
Imp: 600Ohm
Sine
6.02dBV 250.0 Hz

Input: Analog
Imp:100kOhm

Filter:
AUDIOBP

A: 5.96dBV 249.9 Hz



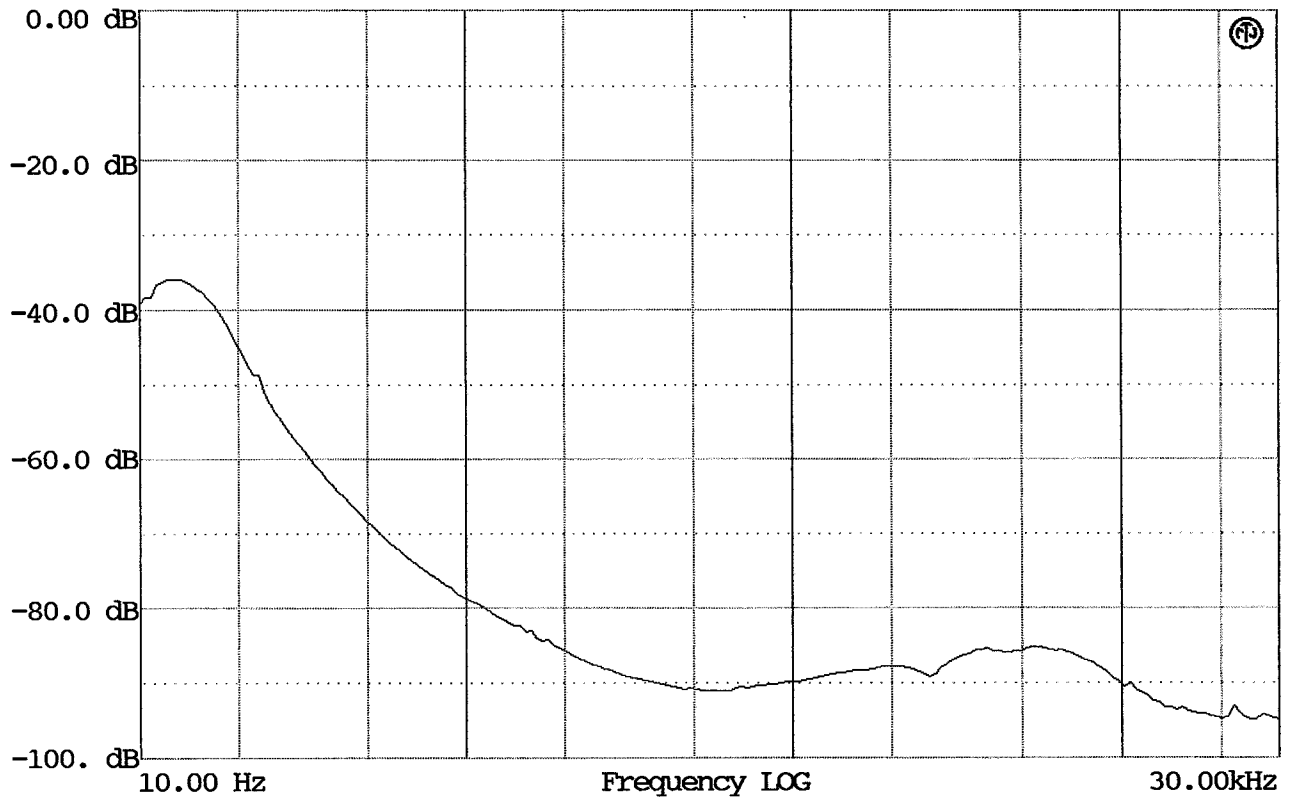
THD+N
06.12.2009
20:39:29

Output: Analog
Imp: 600Ohm
Sine
3.00dBV 250.0 Hz

Input: Analog
Imp:100kOhm

Filter:
AUDIOBP

A: 2.98dBV 249.9 Hz



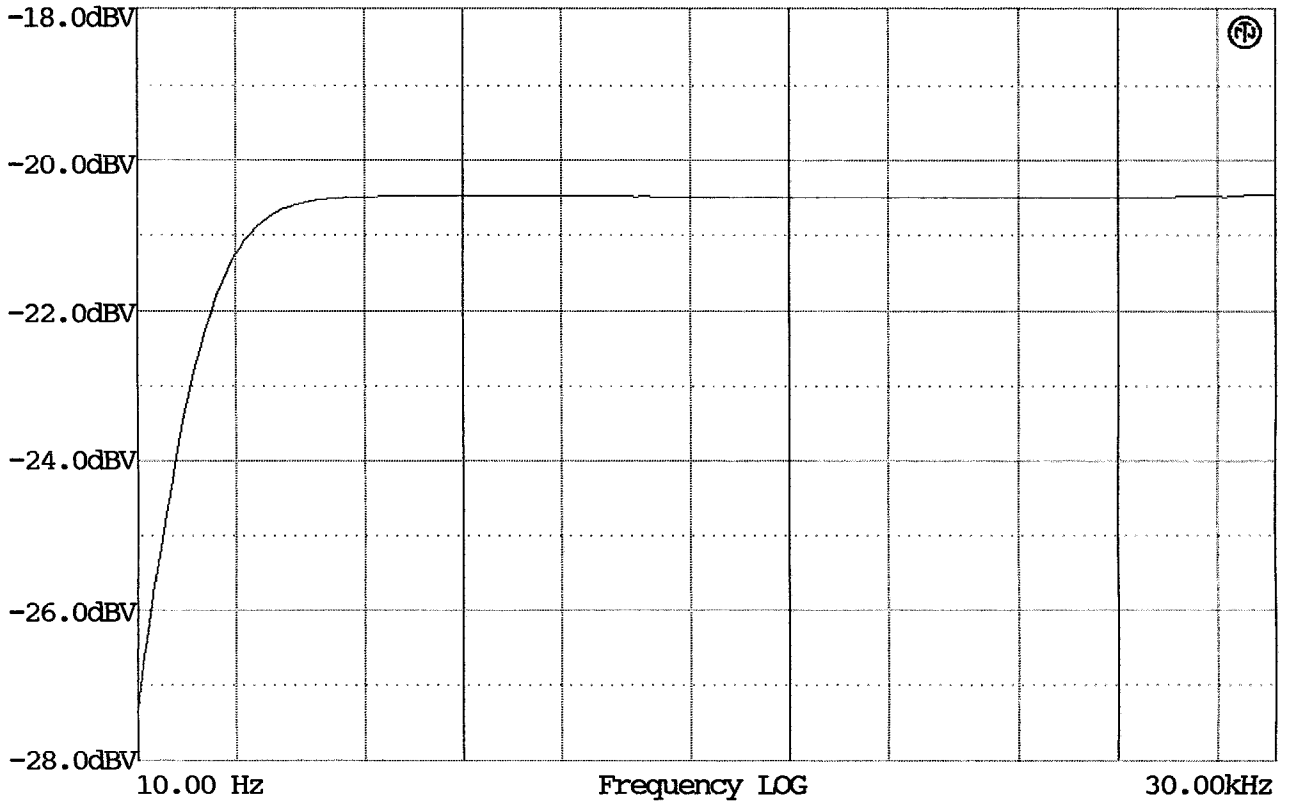
DN 100 48V

LEVEL
06.12.2009
20:42:45

Output: Analog
Imp: 600Ohm
Sine
10.0dBV 250.0 Hz

Input: Analog
Imp: 100kOhm
A: -20.4dBV 249.9 Hz

Filter:
Off

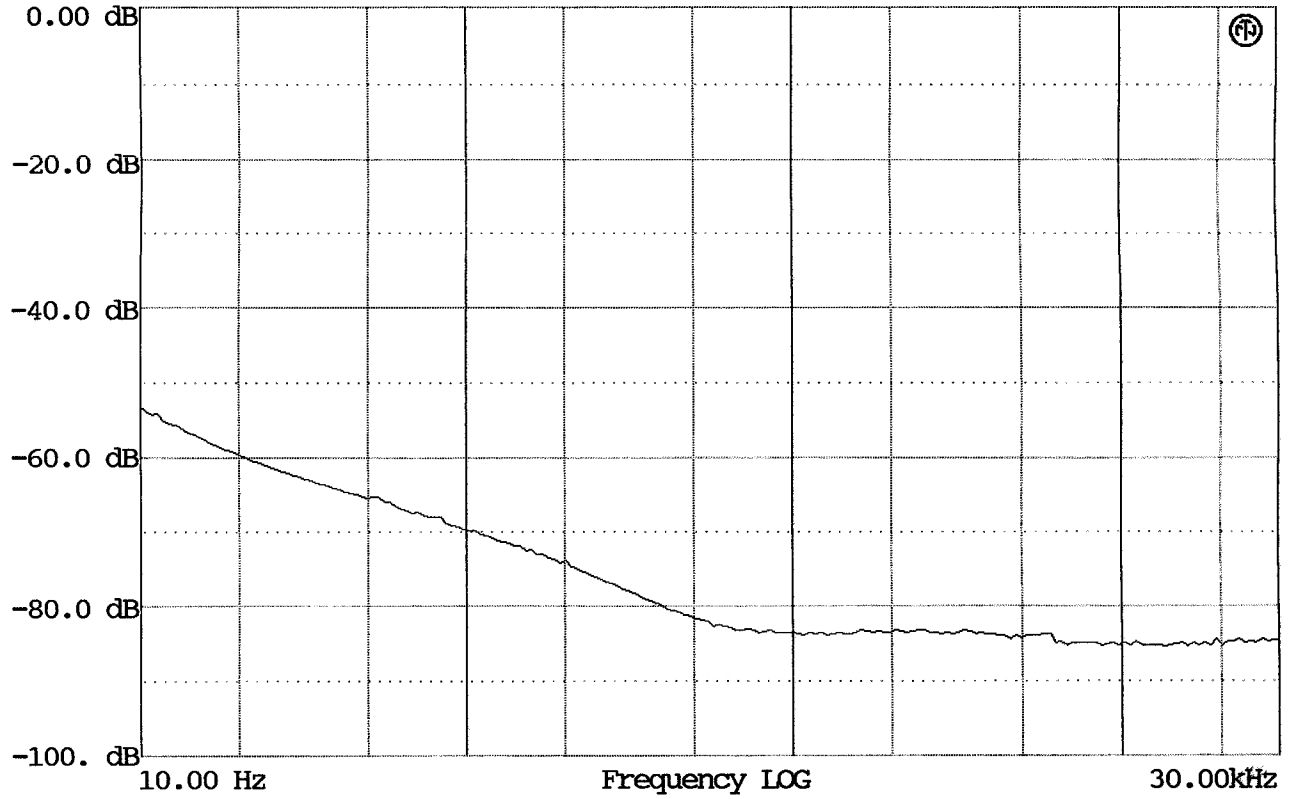


THD+N
06.12.2009
20:49:02

Output: Analog
Imp: 600Ohm
Sine
10.0dBV 250.0 Hz

Input: Analog
Imp: 100kOhm
A: -20.4dBV 249.9 Hz

Filter:
AUDIOBP



DN 100 48V