Specifications

4065/4066/4067/4088

Directional characteristics
4065/66/67: Omnidirectional
4088: Cardioid

Principle of operation
4065/66/67: Pressure
4088: Pressure gradient

Cartridge type
Pre-polarized condenser element with vertical diaphragm

Total harmonic distortion (THD)
<1 % THD up to 123 dB SPL peak;
<1 % THD up to 120 dB SPL RMS sine

Dynamic range
4065/66/88: Typ. 97 dB
4067: Typ. 92 dB

Max. SPL, peak before clipping
4065/66/88: 144 dB
4067: 154 dB

Frequency range ± 2 dB
Soft boost grid:
4065/66: 20 Hz – 20 kHz, 3 dB soft boost at 8 – 20 kHz
4067: 50 Hz – 20 kHz, 3 dB soft boost at 8 – 20 kHz, lo-cut -10 dB at 20 Hz

High boost grid:
4066: 20 Hz – 20 kHz, 10 dB boost at 12 kHz
4067: 50 Hz – 20 kHz, 10 dB boost at 12 kHz, lo-cut -10 dB at 20 Hz

4088: 100 Hz – 20 kHz (± 2 dB between 500 Hz and 20 kHz; 4 – 6 dB soft boost at 15 kHz)

Output impedance
30 – 40 Ohm depending on current draw

Cable drive capability
Up to 300 m (984 ft), with DAD6001: 100 m

Power supply
4065/66/88: Min. 5 V, max. 50 V through DPA adapter
4067: Min. 3 V, max. 50 V through DPA adapter

Sensitivity, nominal, ± 3 dB at 1 kHz
4065: 6 mV/Pa; -44.5 dB re. 1 V/Pa
4066: 6 mV/Pa; -44.5 dB re. 1 V/Pa
4067: 1 mV/Pa; -60 dB re. 1 V/Pa
4088: 6 mV/Pa; -44.5 dB re. 1 V/Pa

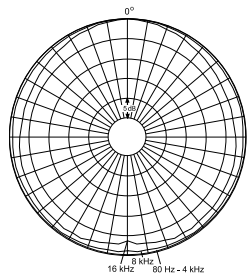
Equivalent noise level, A-weighted
4065/66/88: Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))
4067: Typ. 31 dB(A) re. 20 µPa (max. 35 dB(A))

S/N ratio, re. 1 kHz at 1 Pa (94 dB SPL)
4065/66/88: 68 dB
4067: 63 dB

Connector
MicroDot adapters are available for common connections

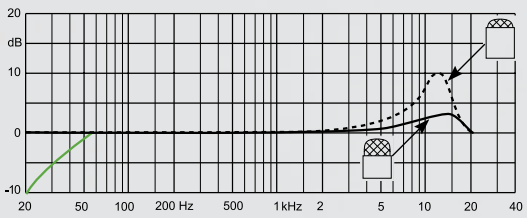
Polarity
Positively increasing sound pressure produces positive-going voltage on MicroDot pin

Polar pattern of 4065/66/67

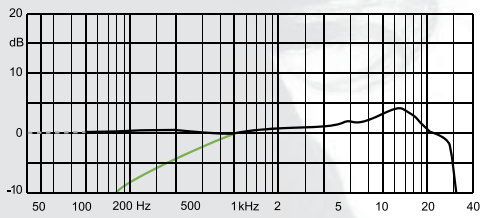


Directional characteristics (normalized)

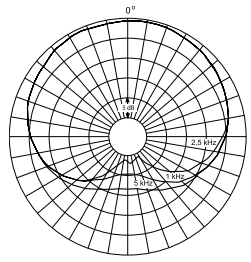
On-axis frequency response of 4065/66/67
Solid line is with soft boost grid.
Dotted line is with high boost grid.
Green line is 4067 below 50 Hz.
(4065 only utilizes the soft boost frequency response).



On-axis frequency response of 4088
Solid line is near field (2 – 3 cm/0.8 – 1.2 in).
Green line is far field (more than 30 cm/12 in).
Dotted line is typical low frequency in near field (estimated).



Polar pattern of 4088



Directional characteristics (normalized)

SERVICE & REPAIR
Products from DPA Microphones are extremely stable and there should not be any significant change in the specifications with time and use. If, however, you are not totally satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for further details of service and the repair facilities that are available.

CE MARKING
The CE mark guarantees that the product conforms with relevant directives approved by the European Commission.

EMC directive: 2004/108/EEC

Low voltage directive: 2006/95/EC

CE

DPA MICROPHONES

WARRANTY
All products from DPA Microphones are covered by a two-year limited warranty on both mechanical functionality and documented specifications as long as the items are not mistreated, abused, or modified in any way. In case of a warranty claim your invoice is your warranty registration.

ENVIRONMENTAL POLICY
This product is comprised by the WEEE Directive, and should not be thrown in the garbage bin when obsolete. Instead, return it to your local DPA representative (or DPA Microphones A/S directly) who will dispose of the product in accordance with the current environmental standards.

RoHS directive: 2002/95/EC
WEEE directive: 2002/96/EC

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