

DPA 2011C Specifications

Directional pattern

Cardioid

Principle of operation

Pressure gradient, with interference tube

Cartridge type

Pre-polarized condenser, Twin Diaphragm Capsule

Effective frequency response

20 Hz - 20 kHz

Frequency range, ± 2 dB, at 30 cm (11.8 in)

50 Hz - 17 kHz with 3 dB soft boost at 12 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz

10 mV/Pa; -40 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 20 dB(A) re. 20 μ Pa (max. 23 dB(A))

Equivalent noise level, ITU-R BS.468-4

Typ. 33 dB (max. 36 dB)

Distortion, THD < 1%

134 dB SPL RMS, 137 dB SPL peak

Dynamic range

Typ. 117 dB

Max. SPL, THD 10%

146 dB SPL peak

Rated output impedance

100 Ω

Minimum load impedance

2 k Ω

Cable drive capability

100 m (328 ft)

Output balance principle

Impedance balancing with Active Drive

Common mode rejection ratio (CMRR)

> 50 dB

Power supply (for full performance)

48 V Phantom power (± 4 V)

Current consumption

2.8 mA

Connector

XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

Color

Matte black

Weight

64 g (2.3 oz)

Microphone diameter

19 mm (0.75 in)

Microphone length

92 mm (3.6 in)

Maximum output voltage, RMS

> 4 V

Polarity

+V at pin 2 for positive sound pressure

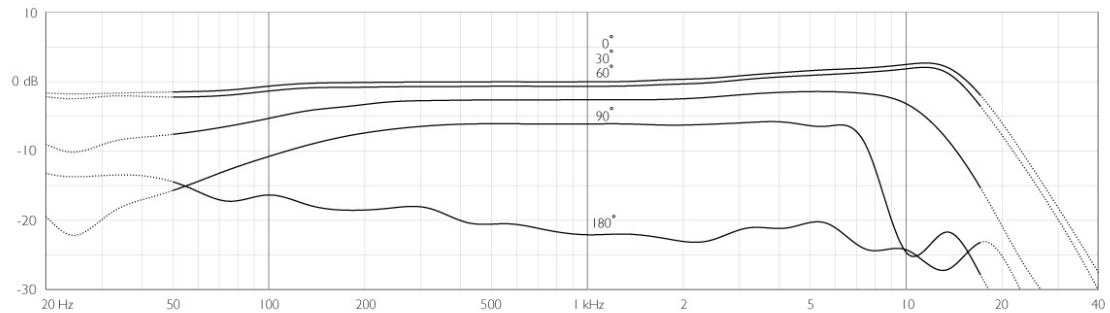
Temperature range

-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)

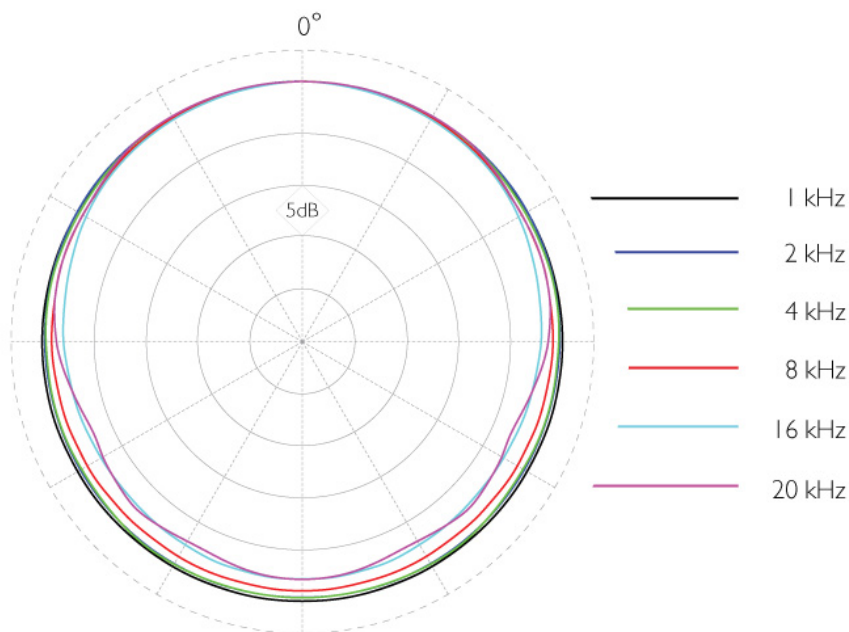
Up to 90%

2011C Frequency response



Typical on and off-axis response of a d:dicate™ 2011C Cardioid Microphone

2011C Polar pattern



Typical directional characteristics of a d:dicate™ 2011C Cardioid Microphone