

4017C, 4017C Compact Shotgun Microphone



4017C, 4017C Compact Shotgun Microphone

Keypoints for the 4017C Compact Shotgun Microphone:

- Excellent RF Immunity
- Lightweight
- Uniform off-axis response
- Highly directional

Setting new standards for compactness within shotgun microphones and their applications, the modular 4017C is an exceptionally short and lightweight interference tube microphone with high directionality. The tight polar pattern is very frequency linear and uniform. With the compact MMP-C pre-amp, booming applications such as in a car or in low ceiling rooms is uncomplicated. The total length of the microphone is as short as 15,4 cm (6.1 in), the weight at just 70 g (2.5 oz).

Also available with Rycote Windshield and suspension system, the 4017C-R is a fully packed and ready solution.

For more information please visit:
www.dpamicrophones.com

4017C, 4017C Compact Shotgun Microphone

Directional pattern:
Supercardioid, lobe-shaped

Principle of operation:
Pressure gradient, with interference tube

Cartridge type:
Pre-polarized condenser

Frequency range:
20 Hz - 20 kHz

Frequency range, ± 2 dB, at 60 cm:
40 Hz - 18 kHz with typ. 3 dB soft boost at 15 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz:
19 mV/Pa; -34.4 dB re. 1 V/Pa

Equivalent noise level, A-weighted:
Typ. 13 dB(A) re. 20 μ Pa (max. 15 dB(A))

Equivalent noise level, ITU-R BS.468-4:
Typ. 25 dB (max. 26 dB)

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL):
Typ. 80 dB(A)

Total Harmonic Distortion (THD):
< 1 % up to 133 dB SPL peak

Dynamic range:
Typ. 119 dB

Max. SPL, peak before clipping:
146 dB

Output impedance:
100

Minimum load impedance:
2 k

Cable drive capability:
100 m (328 ft)

Output balance principle:
Impedance balancing with Active Drive

Common Mode Rejection Ratio (CMRR):
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:
70 g (2.5 oz)

Microphone diameter:
19 mm (0.75 in)

Capsule diameter:
19 mm (0.75 in)

Microphone length:
154 mm (6.1 in)

Output voltage, RMS:
4.5V

Polarity:
+V at pin 2 for positive sound pressure

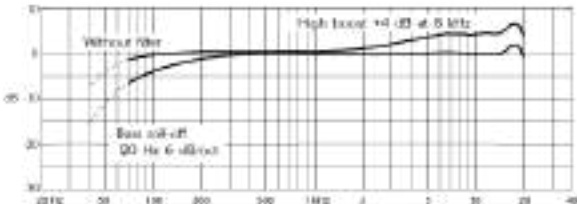
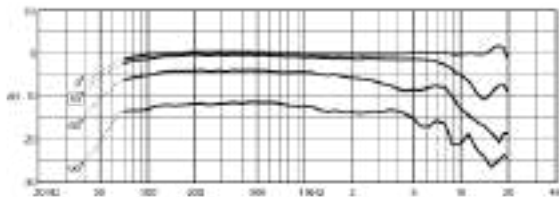
Temperature range:
-40 °C to 45 °C (-40 °F to 113 °F)

Relative Humidity (RH):
Up to 90%

Diagrams

4017C, 4017C Compact Shotgun Microphone

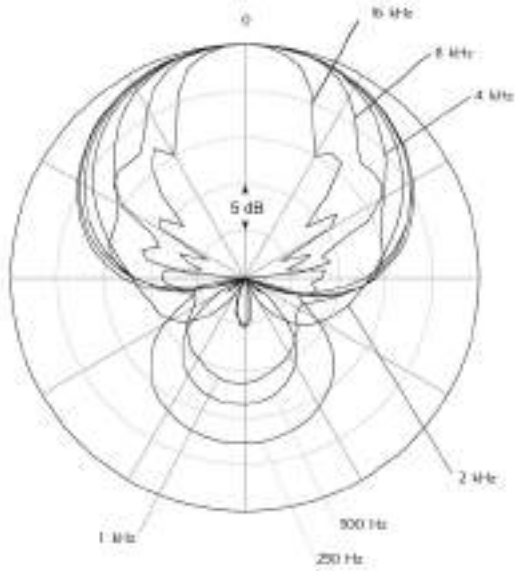
On- and off-axis responses of 4017B measured at 60 cm (23,6 in) Frequency responses of switching filters on 4017B



On- and off-axis responses of 4017B measured at 60 cm (23,6 in)

Frequency responses of switching filters on 4017B

Directional characteristics of DPA 4017B (normalized)



Directional characteristics of DPA 4017B (normalized)



Head Office
DPA Microphones A/S
Gydevang 42-44
DK-3450 Allerød
Denmark
Tel: +45 4814 2828
Fax: +45 4814 2700
info@dpamicrophones.com
www.dpamicrophones.com

US Sales Office
DPA Microphones, Inc.
1500 Kansas Avenue, Unit 3A
Longmont, CO 80501
USA
Tel: +1 303-485-1025
Fax: +1 303-485-6470
info-usa@dpamicrophones.com
www.dpamicrophones.com