

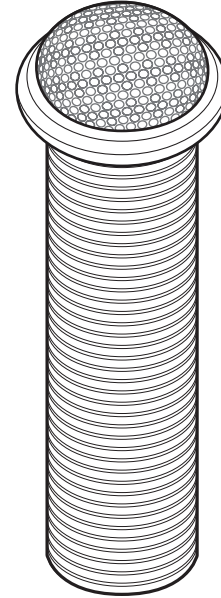
MX395 Low Profile Boundary Microphones

Overview

The Microflex Low Profile Boundary microphone is an ideal table microphone when minimal presence is of high priority. Perfect for meeting rooms, these microphones deliver exceptional sound pickup while barely being noticed. Choose from a selection of colors and pickup patterns for customized table and ceiling installations.

Specifications (subject to change)

| | |
|---|--|
| Type | Condenser (electret bias) |
| Frequency Response | 50–17000 Hz |
| Polar Pattern (at 1 kHz) | MX395/O: Omnidirectional MX395/C: Cardioid MX395/BI: Bidirectional |
| Output Impedance | EIA Rated at 150 Ω (170 Ω actual) |
| Output Configuration | Active Balanced |
| Sensitivity (at 1 kHz, open circuit voltage) 1 Pascal=94 dB SPL | Cardioid: -35 dBV/Pa (18 mV) Omnidirectional: -28 dBV/Pa (42 mV) Bidirectional: -37 dBV/Pa (14 mV) |
| Maximum SPL (1 kHz at 1% THD, 1 k Ω load) | Cardioid: 121 dB Omnidirectional: 114 dB Bidirectional: 123 dB |
| Equivalent Output Noise (A-weighted) | Cardioid: 28 dB SPL Omnidirectional: 21 dB SPL Bidirectional: 29 dB |
| Signal-to-Noise Ratio (referenced at 94 dB SPL at 1 kHz) | Cardioid: 66 dB Omnidirectional: 75 dB Bidirectional: 65 dB |
| Dynamic Range (1 k Ω load at 1 kHz) | Cardioid: 93 dB Omnidirectional: 93 dB Bidirectional: 94 dB |
| Common Mode Rejection | 45 dB minimum (10 Hz to 100 kHz) |
| Preamplifier Output Clipping Level | -8 dBV (0.4 V) (1% THD) |
| Polarity | 3-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector. 5-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 4 relative to pin 2 of output XLR connector. |
| Weight | Net: .136 kg (.30 lb) Packaged: 0.374 kg (0.825 lbs) |
| Logic Connections | LED IN: Active low ($\leq 1.0V$), TTL compatible. Absolute maximum voltage: -0.7V to 50V. |
| Environmental Conditions | Operating Temperature: -18–57 °C (0–135 °F) Storage Temperature: -29–74 °C (-20–165 °F) Relative Humidity: 0–95% |
| Power Requirements | MX395: 11–52 Vdc phantom, 2.0 mA MX395-LED: 48–52 Vdc phantom, 8.0 mA |



MX395
Low Profile
Boundary Mic
Diam. x H: 1 1/4" (32 mm) x 4" (102 mm)

Available Models

The polar pattern of the cartridge is indicated by the model number suffix: C = Cardioid, O = Omnidirectional, BI = Bidirectional

| | |
|---|---|
| MX395B/C, MX395B/BI, MX395B/O | Black, 3-pin XLR |
| MX395AL/C, MX395AL/BI, MX395AL/O | Aluminum, 3-pin XLR |
| MX395W/O | White, 3-pin XLR |
| MX395B/C-LED, MX395B/BI-LED, MX395B/O-LED | Black, 5-pin XLR, logic-controlled muting functions, Bi-color Status Indicator Ring |

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PERFORMANCE™

MX395 Low Profile Boundary Microphones

Furnished Accessories

| | |
|---------------------------|----------------------------|
| 65A2166 | Rubber isolation Rings |
| 30A1438 | Fastening Hex Nut |
| 95A1118 (LED Models only) | 5-Pin XLR-Female Connector |
| 65A2190 | Wing Nut |

Architectural Specifications

MX395AL/C – The microphone shall be a surface mounted, aluminum, electret condenser microphone with a cardioid polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 18 mV/Pa.

MX395B/C – The microphone shall be a surface mounted, black, electret condenser microphone with a cardioid polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 18 mV/Pa.

MX395B/C-LED – The microphone shall be a surface mounted, black, electret condenser microphone with a cardioid polar pattern. The microphone shall include a logic controlled, bi-colored status indicator ring. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 18 mV/Pa.

MX395AL/O - The microphone shall be a surface mounted, aluminum, electret condenser microphone with an omni polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 42 mV/Pa.

MX395B/O - The microphone shall be a surface mounted, black, electret condenser microphone with an omni polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 42 mV/Pa.

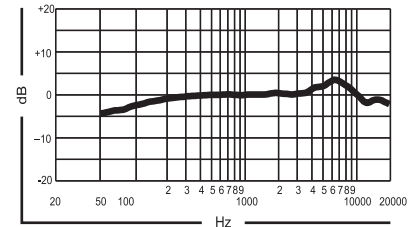
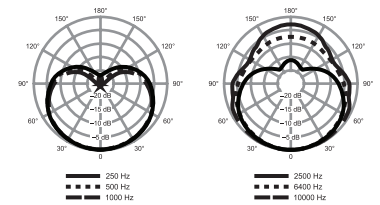
MX395B/O-LED – The microphone shall be a surface mounted, aluminum, electret condenser microphone with an omni polar pattern. The microphone shall include a logic controlled, bi-colored status indicator ring. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 42 mV/Pa.

MX395W/O - The microphone shall be a surface mounted, white, electret condenser microphone with an omni polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 42 mV/Pa.

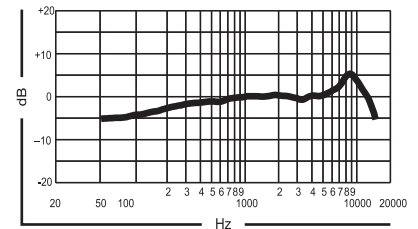
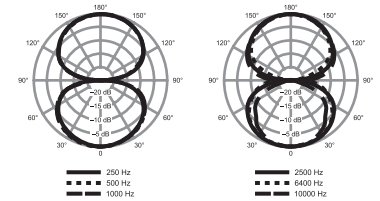
MX395AL/BI – The microphone shall be a surface mounted, aluminum, electret condenser microphone with a bi-directional polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 14 mV/Pa.

MX395B/BI – The microphone shall be a surface mounted, black, electret condenser microphone with a bi-directional polar pattern. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 14 mV/Pa.

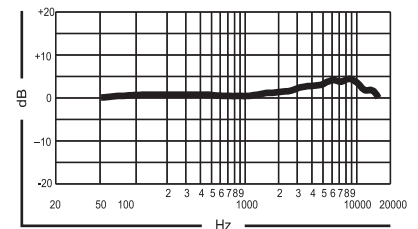
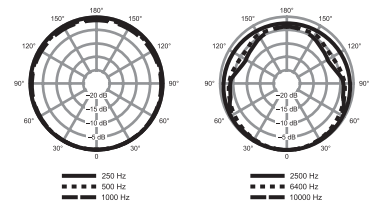
MX395B/BI-LED – The microphone shall be a surface mounted, black, electret condenser microphone with a bi-directional polar pattern. The microphone shall include a logic controlled, bi-colored status indicator ring. The visible diameter and height of the microphone above the mounting surface shall be 1 ¼" (32mm) and 5/8" (24 mm). The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response range shall be 50 Hz to 17kHz and the sensitivity 14 mV/Pa.



Cardioid



Bidirectional



Omnidirectional

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