Bidirectional Moving Coil Microphone

FEATURES
- Large diaphragm moving coil design
- Figure eight polar characteristic
- Wide frequency response with low end extended to 15 Hz
- High sensitivity

DESCRIPTION
The M 380's durable moving coil element withstands extreme SPLs without distortion or overload. Exceptional low end response, extending to 15 Hz, is produced by the large diaphragm. The figure-eight pickup pattern provides effective noise cancellation and signal isolation. The frequency curve of this outstandingly versatile microphone extends to the upper limits of audibility, while producing powerful bass response. The M 380 produces "hot" output levels thanks to its high sensitivity.

APPLICATIONS
The M 380 is an ideal bass drum mic both on stage and in the studio. The seemingly contradictory combinations of full bass response with crisp high end definition and of sensitivity with extreme SPL handling capability make the M 380 a superb complement to acoustic and electric basses, tubas and wind or brass instruments. The figure-eight polar pattern is useful for miking rack toms, percussion or Leslie cabinets. In this application one M 380 can reproduce both the top and bottom halves of the rotating speaker system. The M 380 also enhances the vocal depth and intelligibility of broadcast announcers.

BEYERDYNAMIC GMBH & CO. · POSTFACH 1320 · D - 7100 HEILBRONN
FREQUENCY RESPONSE CURVE (± 2.5 dB)

SPECIFICATIONS
- Operating principle: Pressure gradient
- Frequency response: 15 - 20 000 Hz
- Polar pattern: Figure eight
- Open circuit voltage at 1 kHz: 5.0 mV/Pa ± -46 dBV
- Max. SPL at k < 0.5 % at 1 kHz: 140 dB
- Output level: -46 dBm (0 dBm ± 1 mW/Pa)
- Nominal output impedance: 600 Ω
- Load impedance: ≥ 1000 Ω
- Magnetic field suppression: > 20 dB at 50 Hz
- Diaphragm: Mylar®
- Case: Die-cast zinc
- Case finish: Black, chromium
- Male connector: 3 pin XLR-connector
- Net weight (less cable): approx. 370 g

POLAR PATTERN
This polar pattern and frequency response curve correspond to typical machine run specifications for this microphone.

WIRING DIAGRAM
- Positive pressure produces positive voltage on red cable lead (+).

FURNISHED ACCESSORIES
- Case: Black zipper bag in solid box
- Mic clip: MKV 8 with 3/8°-5/8° internal thread

OPTIONAL ACCESSORIES
- Cable: Cables with various integral connector versions and in different colors see separate cable leaflet or ask your dealer.
- Floor stand: GST 500
- GST 590 (low adjusting level)

DIMENSIONS
In millimeters (inches in brackets)

Subject to change without notice.