



Coles

4038
STUDIO
RIBBON MICROPHONE

- ★ Body shaped to enhance acoustic performance.
- ★ Clear natural high fidelity reproduction of sounds.
- ★ Smooth sonic textured response.

The 4038 Studio Ribbon Microphone is of British Broadcasting design (BBC) and used for broadcasting and recording such sounds where a clear smooth wide range frequency response, absent of transient distortion and relatively high sensitivity is essential.

The 4038 has a proven reliable performance capability, being since its introduction, used by broadcasting networks throughout the world such as the BBC.

The frequency response of the 4038 is exceptionally flat from 30 to 15,000 c/s and throughout this range the shape of the bi-directional (figure of eight) polar response is maintained substantially constant both in the horizontal and vertical planes, giving a natural smooth sonic quality textured response to sound signal being picked up.

MODEL 4038 HIGH FIDELITY

Pressure gradient transducer ribbon microphone.

RIBBON

Low mass damped ribbon to control transient response.

POLAR RESPONSE

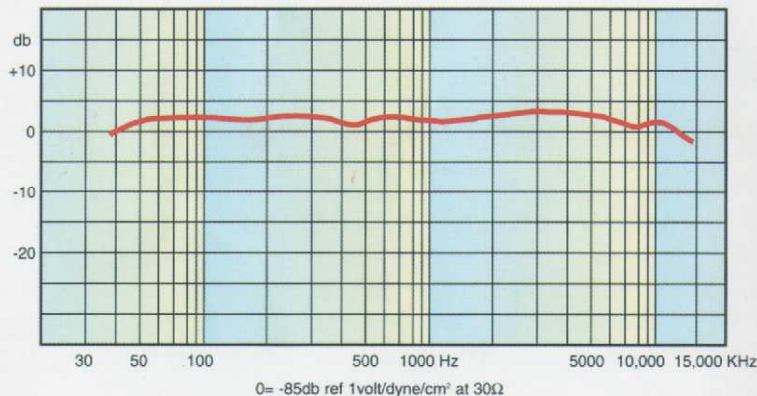
Bi-directional.

MAGNETIC FIELDS

By use of hum neutralising wiring and magnetic shielding of the toroidal ribbon to line transformer 30 to 40 dB reduction is achieved in response to stray disturbing magnetic fields.

FREQUENCY RESPONSE

30 Hz to 15,000 Hz.



All microphones factory tested in free field conditions.

IMPEDANCE

300 ohm.

SENSITIVITY

-65 dB W.R.T. IV/Pa.

DISTORTION

Less than 1% at 125 dB SPL.

CONNECTION

By means of 4069 3 pin jack plug. Pin 1 positive - Pin 2 negative - Pin 3 screen.

BODY HOUSING

Made of heavy gauge perforated brass backed by finely woven monel mesh. Rotating hinge connection allows microphone to tilt through 90° and turned in any direction when either suspended or free standing.

DIMENSIONS

7 1/4" (197 mm) x 3 1/4" (83 mm) x 2 3/8" (61 mm).

WEIGHT

2 lb. 6 oz. (1.08 Kg).

FINISH

Black stove enamel textured paint.

PACKAGING

Each microphone comes in a foam lined rigid plastic carrying case with 4069 jack plug, and soft cloth protective bag, for safe keeping.

ACCESSORY

- 4070 Floor stand plug adaptor.
- 4071 Mic to stand adaptor with XLR.
- 4069 to XLR.
- Soft cloth protective bag.
- Foam lined rigid plastic carrying case.

- ★ Substantially flat frequency response from 30 to 15,000 c/s.
- ★ Extremely low (non-linear) distortion.
- ★ Exceptionally low hum pick-up.

Coles Electroacoustics Ltd.

MICROPHONES - LOUDSPEAKERS
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- ★ Bi-directional (figure of eight) polar curve shape accurately maintained in both horizontal and vertical planes.
- ★ Excellent transient response.
- ★ Natural clear balanced response to sound signal.

