



## MA-50 Large-diaphragm Transformerless Condenser Microphone

The challenge? Create a transformerless microphone circuit without the inherent problems found in transformerless microphones. Technical Grammy® award winning microphone designer David Royer has created a thoroughly modern microphone that rises to that challenge: the new MA-50. Designed to produce the clarity and realism that Mojave microphones are known for – at an entry level price - the MA-50 outperforms well-known transformerless mics costing many times more.

The MA-50 is the perfect microphone for pros and semi-pros alike. Utilizing the same capsule as the MA-200 and MA-201fet, it handles the fastest transients with ease – even up to 140 dB.

### Features:

- Large-diaphragm cardioid, single-sided 3-micron capsule
- Fixed-cardioid polar pattern
- Transformerless circuitry
- Very low noise
- Includes professional shock mount
- Simple – yet elegant design - perfect for home recording
- High SPL handling
- Fast transient response

### Recommended Applications:

- Vocals
- Voice-over
- Acoustic Instruments
- Drum Overheads
- Percussion Instruments
- Foley/ADR



## TECHNICAL DATA

|                               |  |
|-------------------------------|--|
| <b>TRANSDUCER TYPE:</b>       | Externally polarized pressure gradient capacitor |
| <b>DIAPHRAGM:</b>             | 1-inch diameter, gold sputtered, single-sided    |
| <b>DIAPHRAGM THICKNESS:</b>   | 3-microns  |
| <b>POLAR PATTERN:</b>         | Cardioid   |
| <b>FREQUENCY RESPONSE:</b>    | 20 Hz- 20 kHz, + 3 dB                            |
| <b>SENSITIVITY:</b>           | -40 dB re. 1V/pa                                 |
| <b>MAXIMUM SPL:</b>           | 125 dB   |
| <b>DISTORTION:</b>            | <0.5% @140 dB SPL                                |
| <b>SELF NOISE:</b>            | Better than 16 dB (A weighted)                   |
| <b>IMPEDANCE:</b>             | <100 ohms  |
| <b>RECOMMENDED LOAD:</b>      | 1500 ohms or higher                              |
| <b>POWERING:</b>              | 48VDC phantom power; current 2 mA.               |
| <b>DIMENSIONS AND WEIGHT:</b> |  |

Carrying case with microphone, shock mount: 10" x 9" x 4.5", 4 lbs.

Microphone: 7 5/8" X 2" (194mm x 51mm), 1 lb. (0.45Kg)



## Frequency Response and Polar Pattern

