



# 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 out performs 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 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**

**TRANSDUCER TYPE:** Externally polarized pressure gradient capacitor

**DIAPHRAGM:** 1-inch diameter, gold sputtered

**DIAPHRAGM THICKNESS:** 3-microns **POLAR PATTERN:** Cardioid

FREQUENCY RESPONSE: 20 Hz- 20 kHz, + 3 dB

**SENSITIVITY:** -40 dB re. 1V/pa

MAXIMUM SPL: 125 dB

**DISTORTION:** <0.5% @140 dB SPL

**SELF NOISE:** Better than 16 dB (A weighted)

IMPEDANCE: <100 ohms

**RECOMMENDED LOAD:** 1500 ohms or higher

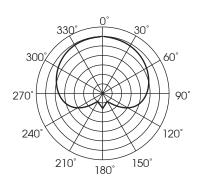
**POWERING:** 48VDC phantom power; current 2 mA.

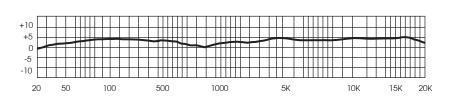
**DIMENSIONS AND WEIGHT:** 

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





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