



MA-301fet Condenser Microphone

The MA-301fet is a multi-pattern large diaphragm, solid-state condenser microphone. Based upon the popular MA-201fet designed by David Royer, the MA-301fet adds a 3-position pickup pattern selector, a 15dB pad and a switchable bass roll-off.

Utilizing a 3-micron gold-sputtered, dual-diaphragm capsule, high-quality Jensen audio transformer, military-grade FET and custom designed low-noise resistors, the MA-301fet performs at a level reminiscent of some of the best loved classic condenser microphones. Each MA-301fet microphone is carefully tested and evaluated, then packaged in its protective case with a professional grade shockmount.

Features:

- Multi-pattern: Cardioid, Omnidirectional, Figure-eight (Bi-directional)
- Switchable 15dB pad
- Switchable Bass Roll-off
- Hand-selected 3-micron 1" capsule
- Jensen audio transformer
- Military-grade FET
- Custom designed low-noise resistors
- Ultra clean signal path

Recommended Applications:

- Vocals
- Voice Over and Broadcast
- High SPL sources, such as Kick Drums and Bass Guitar Amps
- Electric Guitar
- Piano
- Drum Overheads, Drum Rooms
- Acoustic Instruments



MA-301fet

TECHNICAL DATA

TRANSDUCER TYPE:	Externally polarized, pressure gradient capacitor - dual-diaphragm
DIAPHRAGM:	1-inch diameter, gold sputtered
DIAPHRAGM THICKNESS:	3 microns
POLAR PATTERN:	3 patterns; omni, cardioid and figure-8
FREQUENCY RESPONSE:	20 Hz to 20 KHZ, ± 3 dB at "flat" setting of bass cut switch. Bass cut switch provides 6 dB per octave attenuation below 100 Hertz in "cut" setting
SENSITIVITY:	-40.5 dB, re. 1V/pa
MAXIMUM SPL:	120 dB with pad off, 135 dB with pad on.
DISTORTION:	< 1% @ 120 dB SPL, < 3% @ 134 dB SPL with pad off < 1% @ 134 dB SPL, < 3% @ 148 dB SPL with pad on
SELF NOISE:	14dB nominal, not to exceed 16dB (A weighted)
PAD:	15 dB
BASS CUT:	6 dB per octave below 100 hertz.
IMPEDANCE:	550 ohms, transformer balanced (Jensen)
POWERING:	48VDC phantom power; current 1.2 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

