

Alice®



The Matchamp XTX131 v2 is a very high-performance balanced microphone amplifier module which achieves a noise performance which is typically less than 0.5dB from theoretical Johnson's noise when used with 150–200-ohm microphones.

The device achieves this high performance by eliminating the need to employ an input transformer and offers improved frequency response, noise performance, distortion, signal handling and common mode rejection ratio over typical transformer microphone input stages.

The significant improvement in common mode rejection makes the device particularly useful for location recording and outside broadcasts

where high levels of interference are common. The device achieves 40 to 50dB better CMRR than most transformer designs at high audio and low RF frequencies. An RF filter circuit is incorporated within the device which gives further interference protection.

The unit is extremely small (30 x 20 x 15mm) PCB mounting module with 0.1" spacing.

The XTX131 MKII replaces the earlier XTX131 MKI and XTX129. The unit is supplied with a ready-built mic amp PCB, cable loom and 2k5 reverse-logic potentiometer.

Technical Specification

Supply voltage: +/- 15 to 20 volts DC

Current consumption: 16mA per rail

Maximum input level: 24dBu

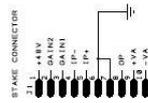
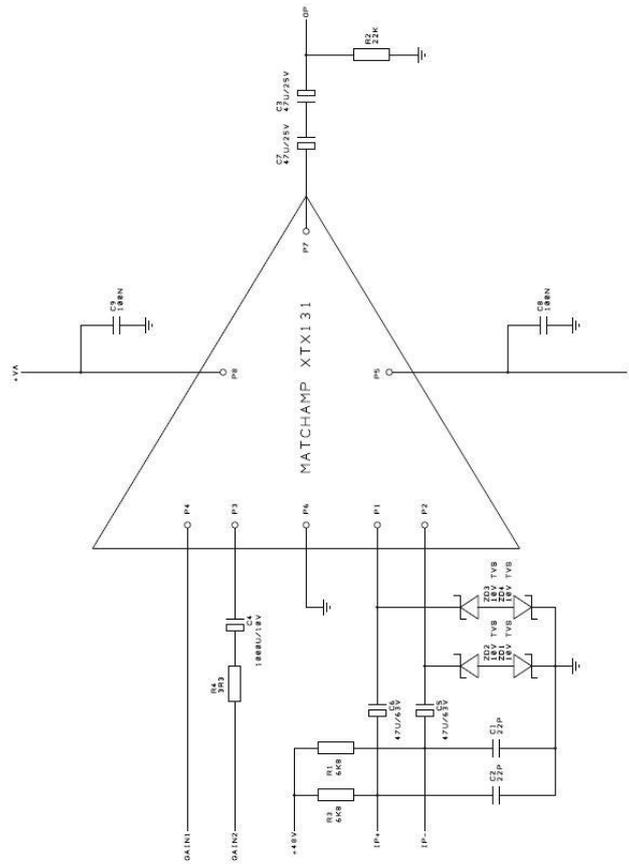
Maximum output level: 23dBu

Minimum load impedance: 600 ohms

Performance at 60dB gain with a 150 ohm source: -131dB (30Hz-15kHz)

Common mode rejection ratio: 105dB @ 10kHz

Distortion at 0dBu output 0.006% THD



- Pin 1: + 48v
- Pin 2: Gain 2
- Pin 3: Gain 3
- Pin 4: Input -
- Pin 5: Input +
- Pin 6: Ground
- Pin 7: Ground
- Pin 8: Output
- Pin 9: Volts +
- Pin 10: Volts -