

M Series Digital Signal Processor

M44T(4 x 4)



Input/Output

Input impedance: >10 k Ω

Output impedance: 50 Ω

Max.Level: +20 dBu

Analog Audio

Frequency response: ± 1 dB(20 Hz to 20 kHz)

SNR: 92 dB typical (A weighted)

CMRR: >40 dB (20 Hz to 10 kHz)

Crosstalk: <-100 dB

Distortion: 0.005% (1 kHz @ 0 dBu)

Digital Audio

DSP: 24 bit

Sampling rate: 48 kHz

ADC/DC: 24 bit 192 kHz high-resolution chip

Transmission latency: 2ms

Connector

Analog Audio input/output: 3 pin XLR

USB connector: Type B

Network connector: 2 x RJ45 connector (TCP/IP & M-LAN)

Maximum Distance : CAT 5e within 100m

Digital audio output connector: S/PDIF

Power :socket with IEC standard

General Specification

Power: 90-265VAC(50/60 Hz)

Dimension: 19" x 1.75" x 9"(483 x44 x 229mm)

Weight: 10 lbs / 4.6 kg

Adjustable Parameters

Master gain: -12 to 12 dB, 0.1 dB stepping

Channel gain: -18 to 0 dB, 0.1 dB stepping

Delay: Each input/ output, MAX850ms

EQ: Each input/ output, 5x EQ

EQ types: PEQ, HP, LP, shelv, All pass.

band pass, notch filter

EQ gain: -15 to +15 dB 0.5 dB stepping

EQ bandwidth: 0.009 to 4.8 octaves (Q=0.3 to 20)

RMS Limiter

Threshold: -10 to +20 dBu

Compression ratio: 1:1 to 32:1

Attack time: 5 to 200ms

Release time: 0.1s to 3s

Peak Limiter:

Threshold: -10 to +20 dBu

Attack time: 5 to 200ms

Release time: 0.1s to 3s