

## DMF-2

The DMF-2 is a dual mode and dual slope filter. The DMF-2 emulates the familiar low pass filter in 4 pole mode and expands sonic potential by adding a unique designed 6 pole low pass mode and quasi and pass mode.

Both filters (A and B) are identical and can be controlled separately and by master inputs for the cutoff (CM A+B). The audio outputs from both filters are combined (LPF A+B and BPF A+B) with dual resonance (peak and offers "formant" shaped sounds in low pass and band pass mode. Filters has an individual audio inputs and additionally combined input (AUDIO A+B).

The DMF-2 is characterized by a non-linear transfer function, so-called saturation mode, that is affected by the level strength of the incoming signals.

The design quality of LPF's and new features makes the DMF-2 very flexible and results in qualities, such as:

- \* CUTOFF, Q-PEAK are voltage controlled
- \* 4 and 6 poles low pass mode (24 dB/octave and 36 dB/octave)
- \* Qasi band pass mode (6dB/octave high pass on the low side and 24dB/octave low pass on the high side)
- \* Saturable; from "warm" and "smooth" sound (at low to moderate level of incoming signal) to heavy distorted "nasty" and "aggressive" (at high level of incoming signals)
- \* Ideal as "effect filter"
- \* Formant mode (dual peak) with summed inputs and outputs
- \* Stereo effects
- \* Low noise

### Performances

Total frequency range	5 Hz to 25 kHz
CUTOFF	16 Hz to 16 kHz
Q-PEAK	flat to self oscillating
Audio inputs	AUDIO and combined AUDIO A+B
Audio outputs	LPF, BPF and combined LPF A+B and BPF A+B
Control inputs	cutoff CM1, CM2 and combined CM A+B, (1Volt/octave) Q-PEAK (0 to 5 Volts)
Saturation indicator	LED's
Current consumption	40mA
Dimensions	128.4mm (H), 80.7mm (B) 3 HE, 16 TE

