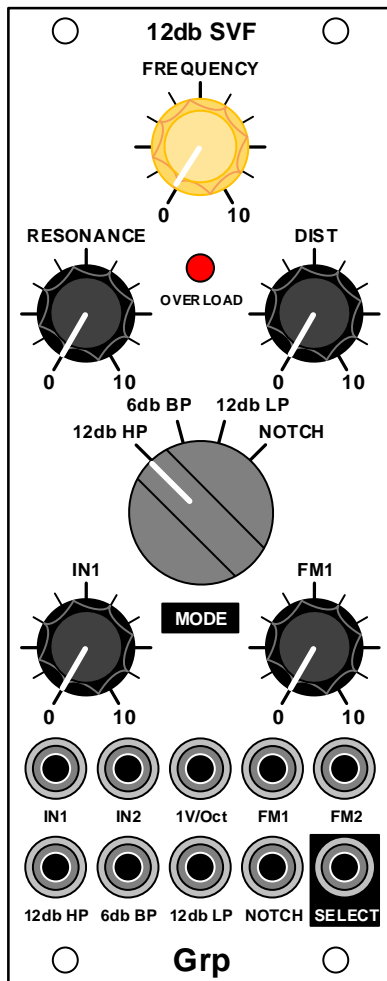


Grp Synthesizer P04 – VCF 12dB



State Variable Filter with:
12db HP; Two pole high pass filtering.
6db BP; One pole band pass filtering
12db LP; Two pole low pass filtering
NOTCH; One pole band reject filtering
auxiliary Select Out; Frequency
Resonance and Distortion fully adjustable
Two Audio Input (one full level)
Three CV Inputs (one attenuated)
Panel Width: 10 HP
+12V = 40mA
-12V = 22mA
+5V = 0mA

CONTROLS

FREQUENCY: Cutoff Frequency of the Filter

RESONANCE: Resonance

OVERLOAD LED: lights when audio signal goes too high

DIST: amount of distortion

MODE: selection of filter mode (12dB HP, 6dB BP, 12dB LP, 12dB NOTCH). Selected mode appears at SELECT audio out port

IN1: level attenuator for audio signal connected at IN1 port (signal at IN2 port goes always at full level unattenuated)

FM1: attenuator for ext CV signal connected at FM input port. Signal at FM2 input port goes always at full level unattenuated

CONNECTIONS

IN1: audio input signal 1, scalable w. IN1 control

IN2: full range, unattenuated, audio input signal 2

1V/OCT: unattenuated, 1V/Oct CV input for ext keyboard or sequencers

FM1: audio/CV input signal, scalable w. FM control for Cutoff Frequency modulation

FM2: audio/CV input signal, always at full strength

12dB HP: audio out for 2-pole high pass filtered signal

6dB BP: audio out for 1-pole band pass filtered signal

12dB LP: audio out for 2-pole low pass filtered signal

NOTCH: audio out for band reject filtered signal

SELECT: audio out for filtered signal w. mode selected thru MODE switch