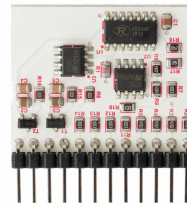
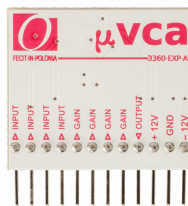


μ VCA

3360·EXP·A



Description

μ VCA_{3360·EXP·A} is a voltage controlled amplifier micromodule based on AS3360 integrated circuit, configured for linear response. DC coupled inputs allow to use the module also as an attenuator or mixer for slow modulation signals. Up to 4 signal sources (either audio or CV) may be connected to the unit. The amplifier's gain may be controlled by up to 4 CV sources.

Features

- exponential response
- integrated 4-channel control voltage mixer
- integrated 4-channel input signal mixer
- control voltage range normalized to $0V \div +5V$
- buffered signal output
- dimensions: 30.48mm x 26.67mm (without pins)
- pin raster 2.54mm/0.1", ideal for bread-board/stripboard use
- +12V, -12V power supply
- reverse voltage protection

Input/Output

pin	label	description	range [V]
1–4	▷ INPUT	signal inputs, summed	$-10 \div +10$
5–8	▷ GAIN	gain control inputs, summed	$0 \div +5$
9	◁ OUTPUT	signal output	$-9 \div +9$
10	+12V	positive power supply +12V	
11	GND	ground	
12	-12V	negative power supply -12V	

Typical connections

from	↔	attenuated	↔	to	comment
audio or CV signal	↔	maybe ¹	↔	▷ INPUT	signal to be attenuated
+5V	↔	yes	↔	▷ GAIN	manual signal level control
μADSR ◁OUTPUT	↔	yes	↔	▷ GAIN	signal level modulated by envelope
μLFO ◁wave²	↔	yes	↔	▷ GAIN	signal level modulated by LFO
◁ OUTPUT	↔	maybe ³	↔	AMPLIFIER INPUT	sound output

¹attenuator at this point makes sense when multiple input signals are mixed, logarithmic characteristic preferable

²wave = TRIANGLE | PULSE | SAW | INV SAW

³attenuator at this point may be used to provide final manual volume control, logarithmic characteristic preferable