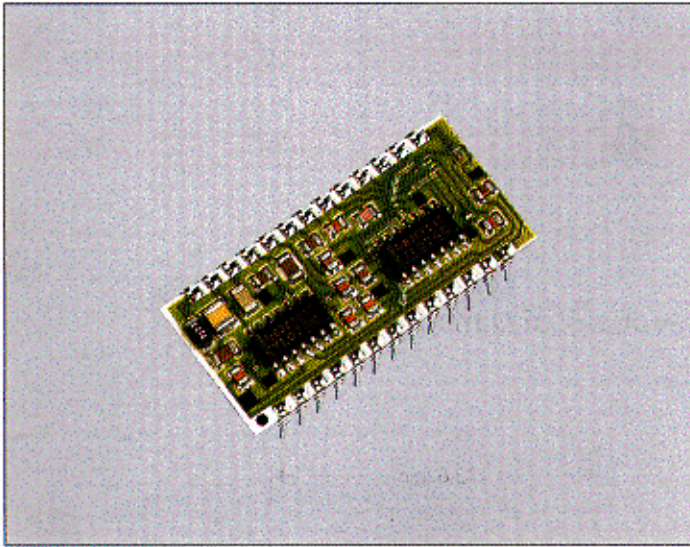




SG3

7+7 Band Graphic Equalizer (Stereo)



General description

The SG3 is an hybrid circuit that allows to realize a sound effects generator for musical instruments (Guitar and Keyboard), voice equipment amplifiers and professional mixers.

The hybrid integrates the following functions:

7 Band Audio Frequencies (125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz).

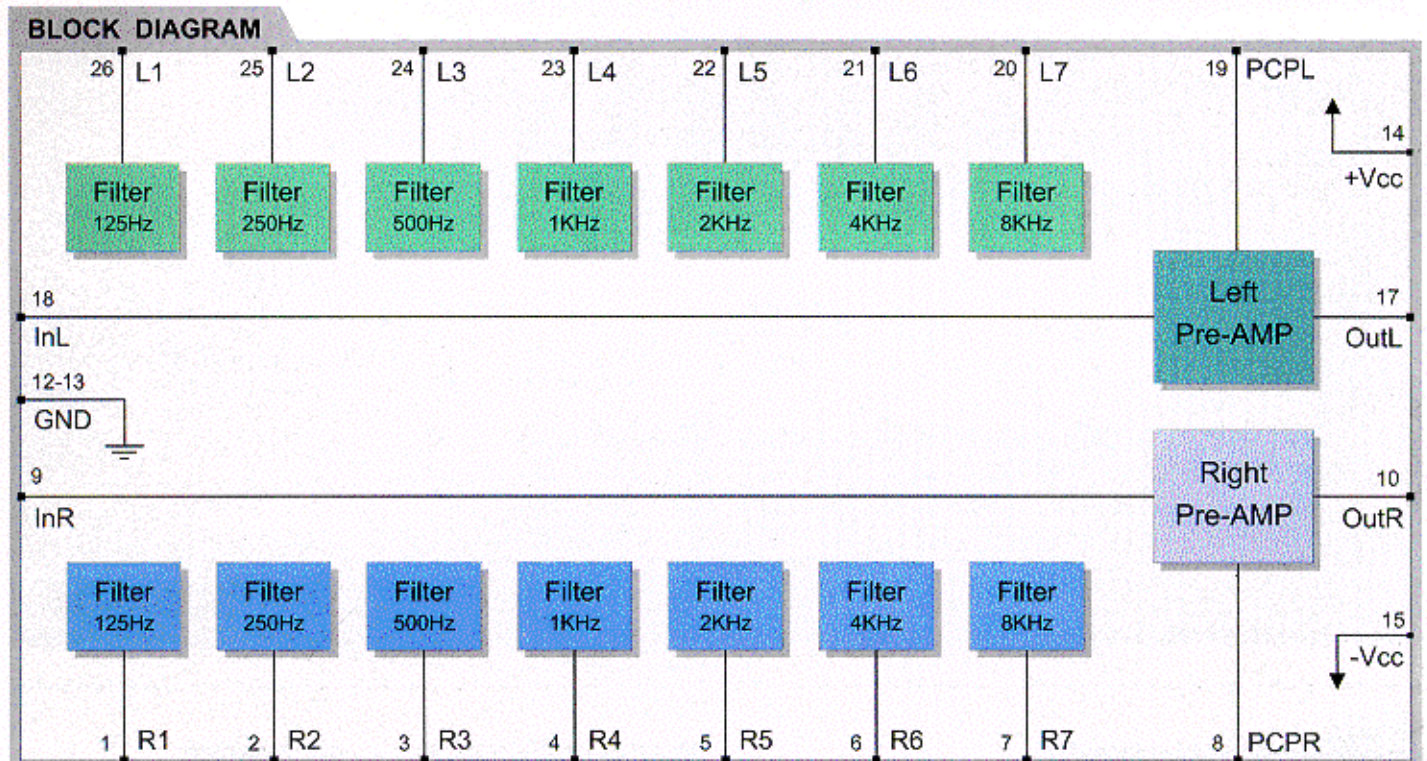
Custom specified frequencies on request.

Features

- Gyration Audio filter
- No external components or inductors required
- Seven external potentiometers for channel
- DIL Package
- Thick film hybrid technology

Applications

- Fine Musical Instruments
- Guitar / Keyboard Amplifier
- Audio Mixer
- Karaoke Systems



Electrical Characteristics

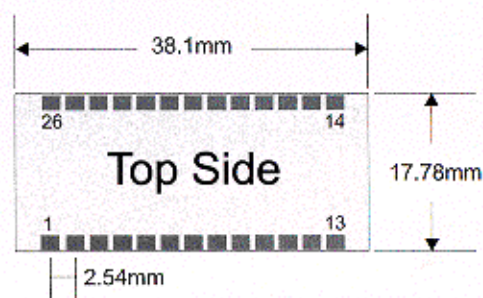
Ta = 25°C unless otherwise specified

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage	±9	±12	±15	VDC
I _s	Supply Current (V _{CC} = ±15)		30		mA
F ₀	Frequency Band	125		8K	Hz
V _i	AF Input Signal			6	V _{pp}
G _F	Gain Filter (peak/notch)		±12		dB
T _{OP}	Operating Temperature Range	-20		+80	°C

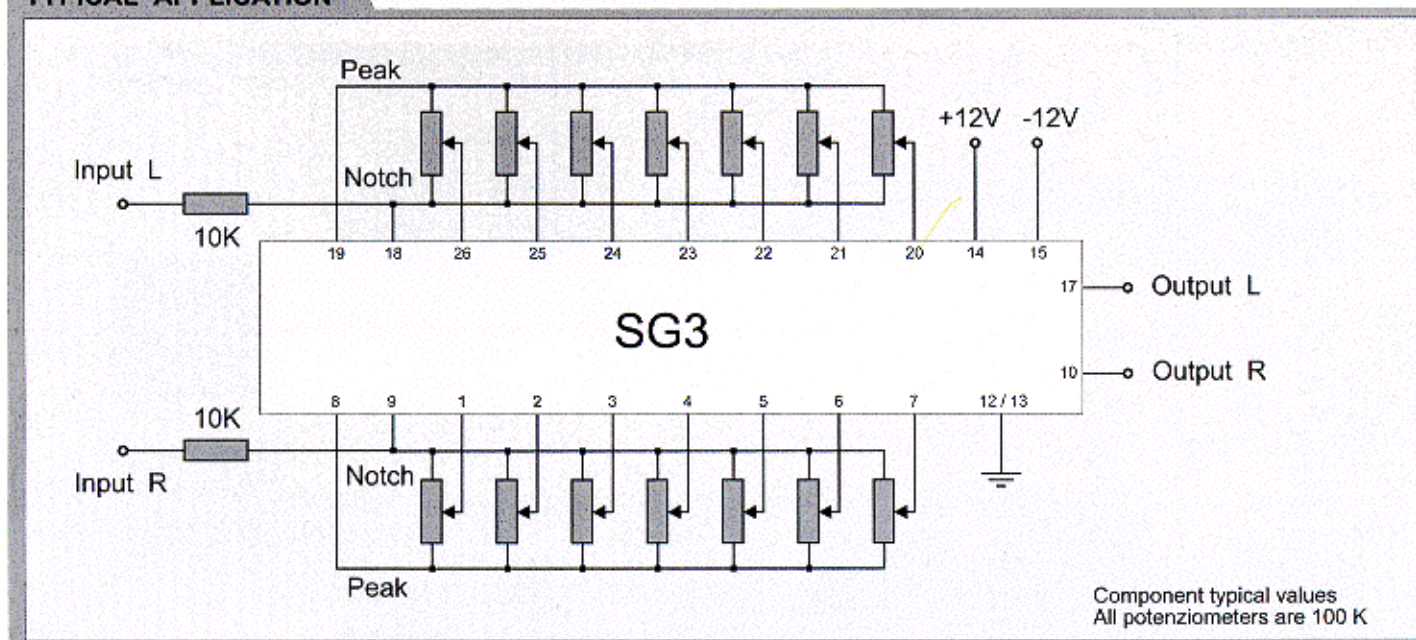
Pin Description

1 / 7	R1-R7	Control Right Channel
8	PCPR	Peak Common Potenziometer Right Channel
9	InR	Input Right Channel
10	OutR	Output Right Channel
11	NC	Not connected
12 / 13	GND	Ground
14	+VCC	Positive Supply Voltage
15	-VCC	Negative Supply Voltage
16	NC	Not connected
17	OutL	Output Left Channel
18	InL	Input Left Channel
19	PCPL	Peak Common Potenziometer Left Channel
20 / 26	L1-L7	Control Left Channel

Mechanical Dimensions



TYPICAL APPLICATION



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RF Solutions is a member of the Low Power Radio Association.