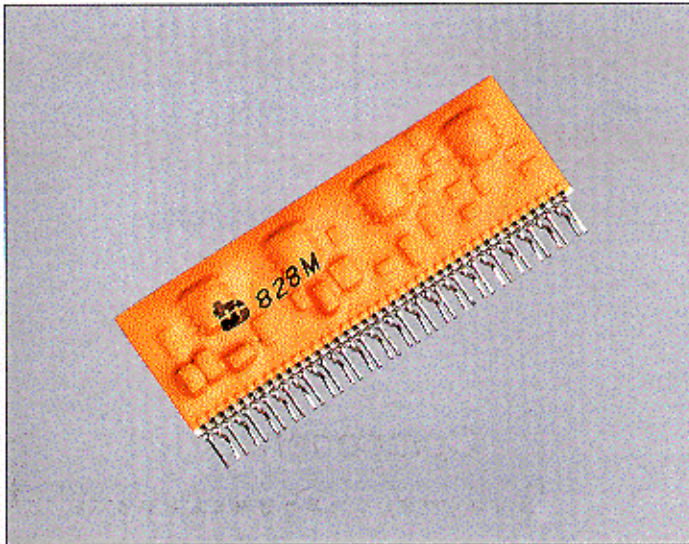




SG6

7+7 Band Graphic Equalizer (Stereo)



General description

The SG6 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 (60Hz, 125Hz, 250Hz, 500Hz, 1KHz, 3K5Hz, 10KHz).

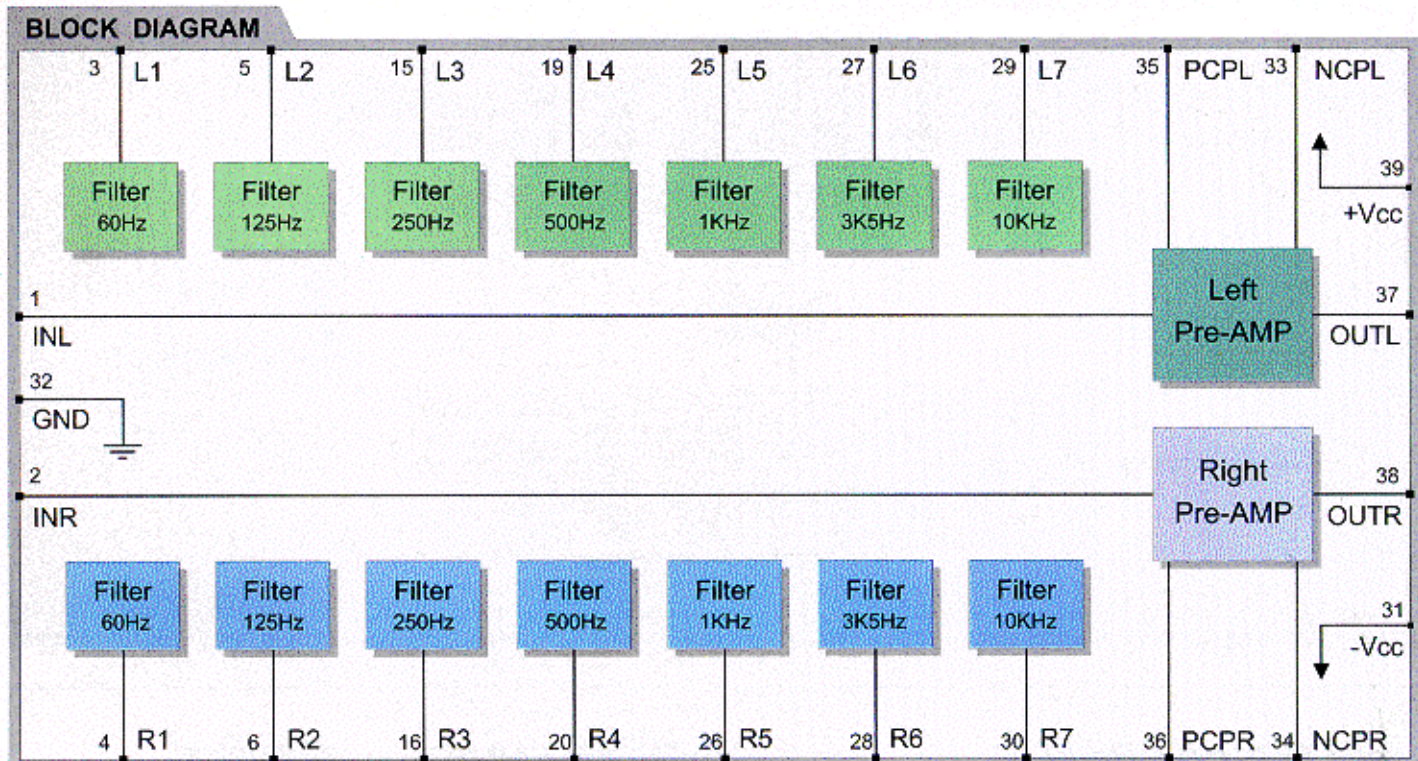
Custom specified frequencies on request.

Features

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

Applications

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



Electrical Characteristics

Ta = 25°C unless otherwise specified

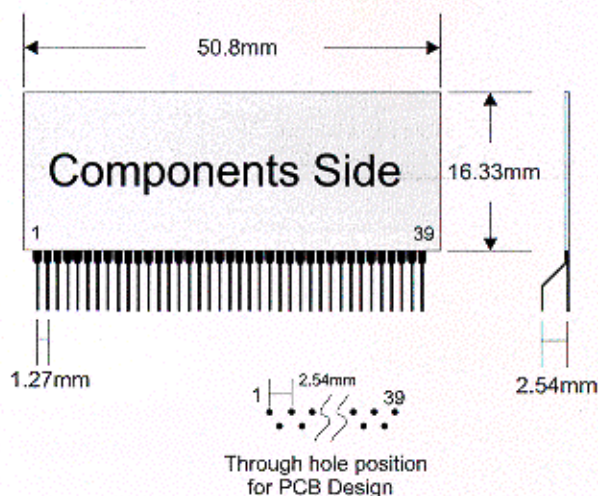
CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{cc}	Supply Voltage	±9	±12	±15	VDC
I _s	Supply Current (V _{cc} = ±15)		30		mA
F _b	Frequency Band	60		10K	Hz
V _i	AF Input Signal			6	V _{pp}
T _{op}	Operating Temperature Range	-20		+80	°C

Pin Description

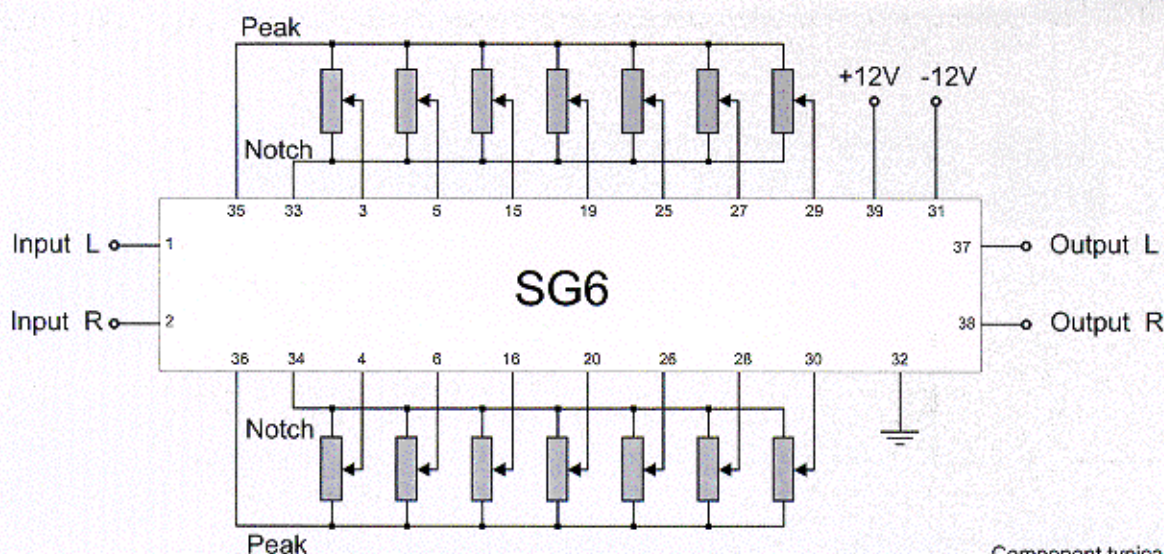
1	INL	Input Left Channel
2	INR	Input Right Channel
3 / 5	L1-L2	Control Left Channel
4 / 6	R1-R2	Control Right Channel
15 / 19	L3-L4	Control Left Channel
20 / 26	R4-R5	Control Right Channel
27 / 29	L6-L7	Control Left Channel
28 / 30	R6-R7	Control Right Channel
31	-VCC	Negative Supply Voltage
32	GND	Ground
33	NCPL	Notch Common Potenziometer Left Channel
34	NCPR	Notch Common Potenziometer Right Channel
35	PCPL	Peak Common Potenziometer Left Channel
36	PCPR	Peak Common Potenziometer Right Channel
37	OUTL	Output Left
38	OUTR	Output Right
39	+VCC	Positive Supply Voltage

Pins : 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 Not Connected

Mechanical Dimensions



TYPICAL APPLICATION



Component typical values
All potenziometers are 100 K



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