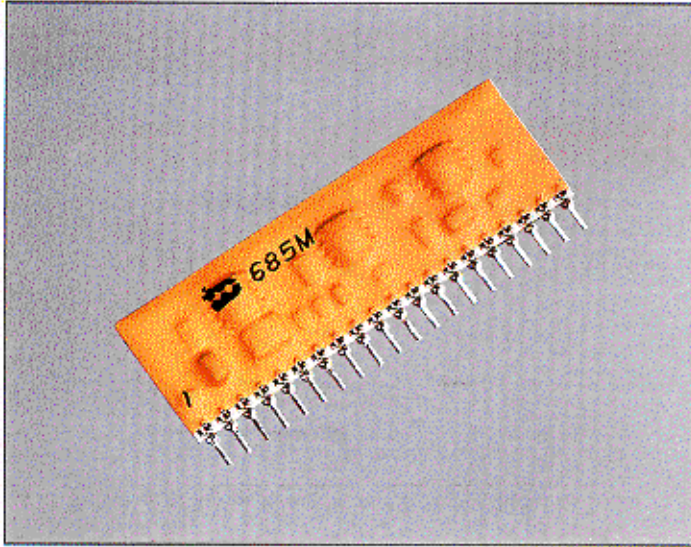




## SG5

### 6+6 Band Graphic Equalizer (Stereo)



#### General description

The SG5 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:

6 Band Audio Frequencies (80Hz, 200Hz, 500Hz, 1K6Hz, 4KHz, 10KHz).

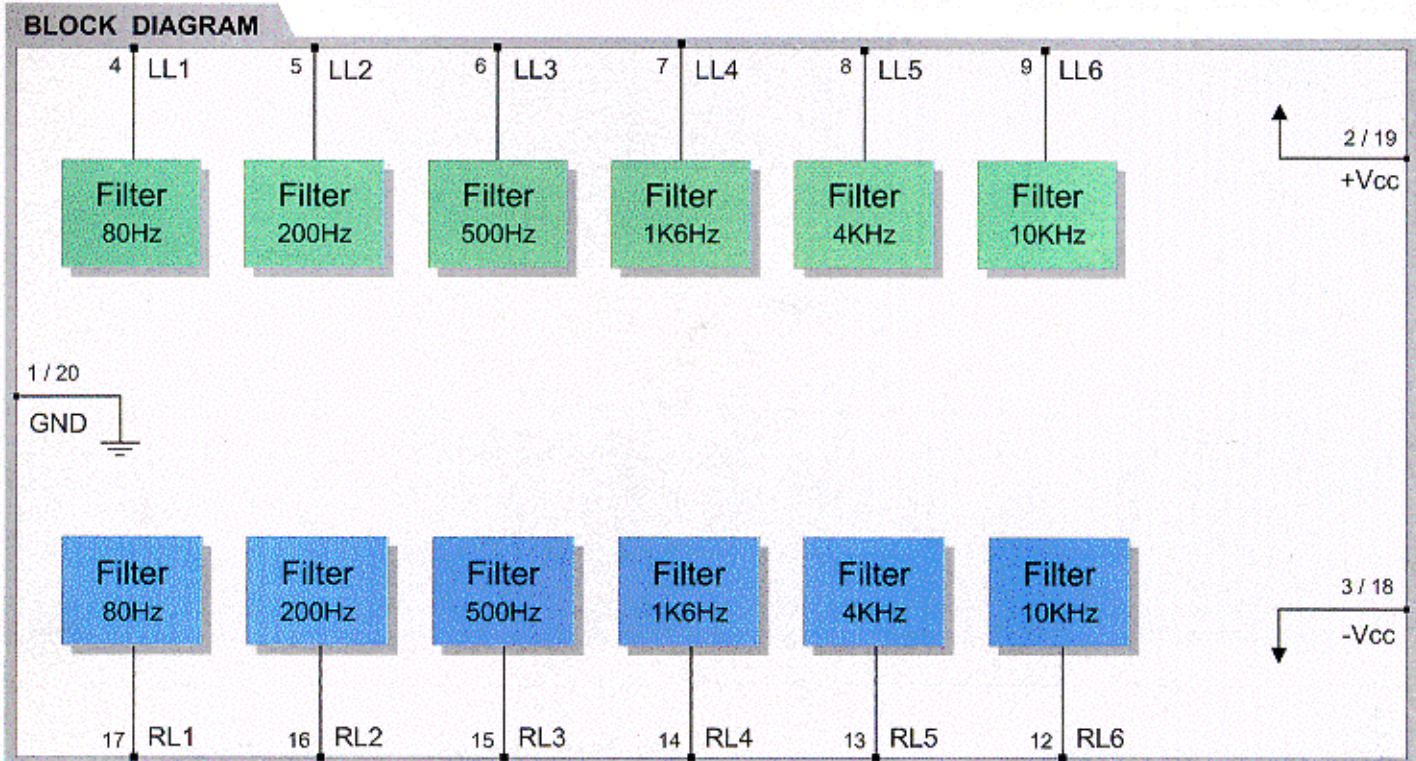
Custom specified frequencies on request.

#### Features

- Gyration Audio filter
- No external inductors required
- Six external potentiometers for channel
- SIL Package
- Thick film hybrid technology

#### Applications

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



## Electrical Characteristics

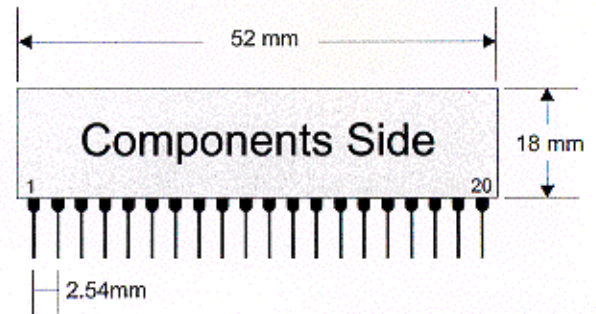
Ta = 25°C unless otherwise specified

	CHARACTERISTICS	MIN	TYP	MAX	UNIT
V <sub>CC</sub>	Supply Voltage	±9	±12	±15	VDC
I <sub>s</sub>	Supply Current (V <sub>CC</sub> = ±15)		20		mA
F <sub>F</sub>	Frequency Filter	80		10K	Hz
G <sub>F</sub>	Gain Filter (peak/notch)		±12		dB
T <sub>CP</sub>	Operating Temperature Range	-20		+80	°C

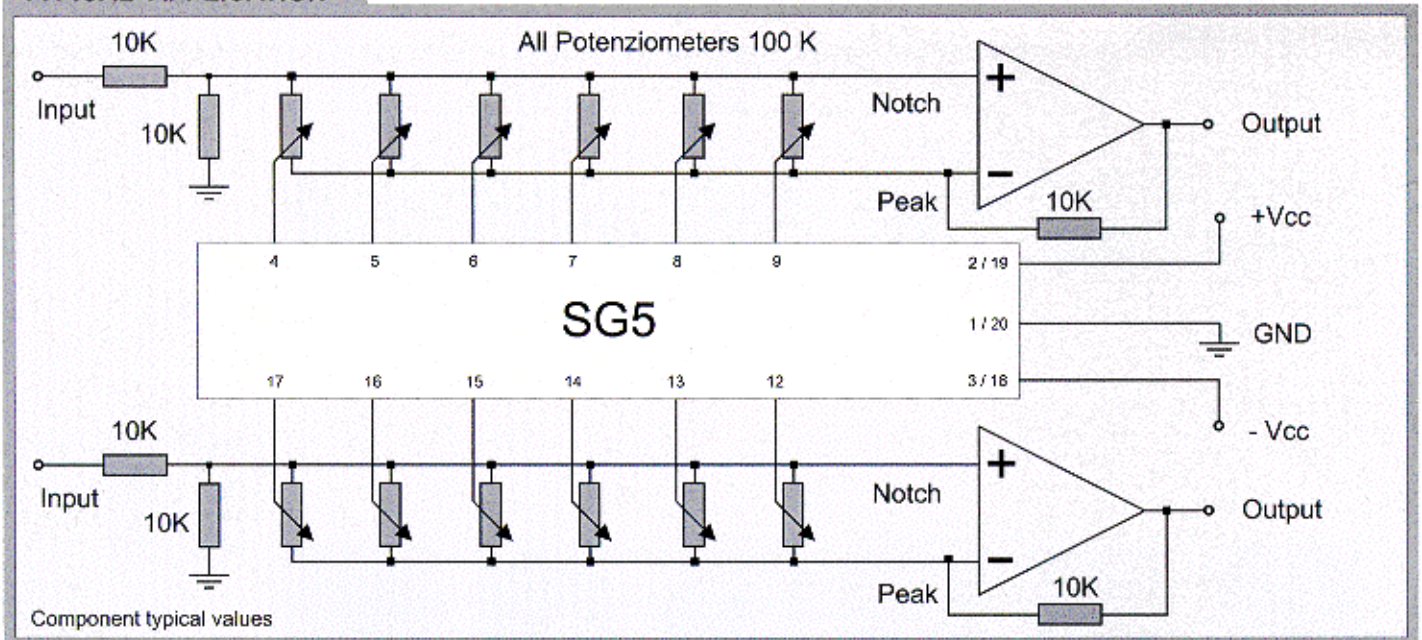
## Pin Description

1 / 20	GND	Ground
2 / 19	+VCC	Positive Supply Voltage
3 / 18	-VCC	Negative Supply Voltage
4	LL1	80Hz Left Filter
5	LL2	200Hz Left Filter
6	LL3	500Hz Left Filter
7	LL4	1K6Hz Left Filter
8	LL5	4KHz Left Filter
9	LL6	10KHz Left Filter
10	NC	Not Connected
11	NC	Not Connected
12	RL6	10KHz Right Filter
13	RL5	4KHz Right Filter
14	RL4	1K6Hz Right Filter
15	RL3	500Hz Right Filter
16	RL2	200Hz Right Filter
17	RL1	80Hz Right Filter

## Mechanical Dimensions



## TYPICAL APPLICATION



R. F. Solutions Ltd.,  
 Unit 21, Cliffe Industrial Estate,  
 South Street,  
 Lewes,  
 E Sussex, BN8 6JL. England.

Tel +44 (0)1273 898 000. Fax +44 (0)1273 480 661.  
 Email sales@rfsolutions.co.uk <http://www.rfsolutions.co.uk>

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