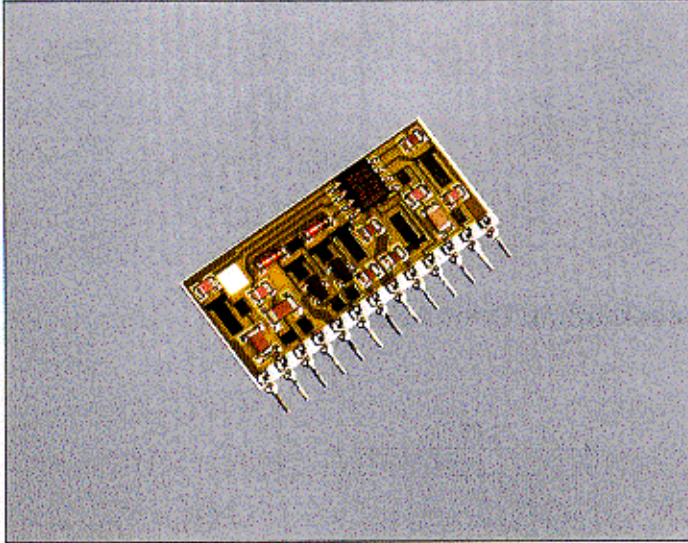




SG2

Reverberation Spring Driver



General description

The SG2 is a super circuit to generate new acoustics effect with spring unit (reverbero).

- Two effects possible for new sounds:

theatre effect

cathedral effect

- Audio Pre-amp built-in for read detection with variable gain.

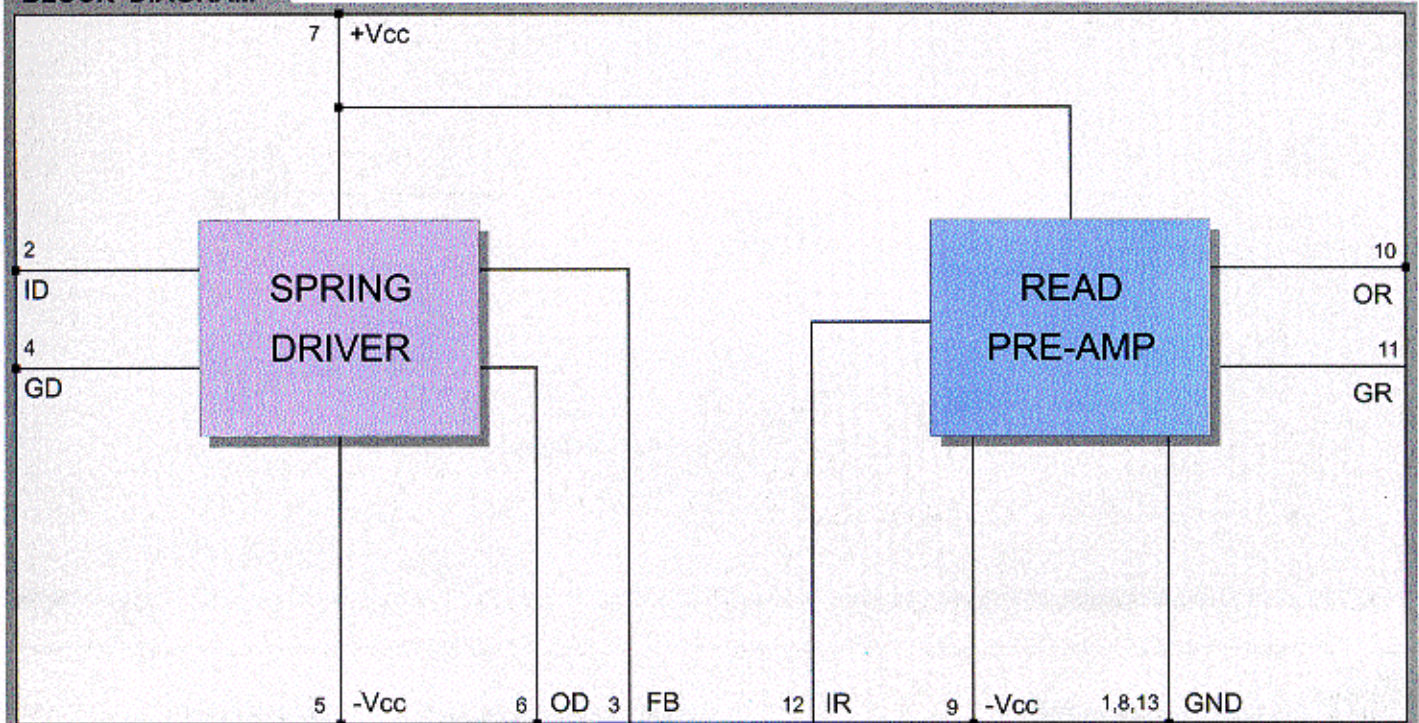
Features

- Thick film hybrid technology
- SIL Package

Applications

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

BLOCK DIAGRAM



Electrical Characteristics

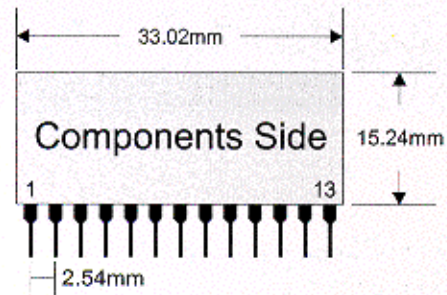
Ta = 25°C unless otherwise specified

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage	±5	±9	±18	VDC
I _S	Supply Current (V _{CC} =9V)		3	3.5	mA
	-3dB Driver Bandwidth	50		30K	Hz
	Driver Gain	5		40	dB
	-3dB Pre-Amp Bandwidth	80		30K	Hz
	Pre-Amp Gain	8		45	dB
	Reverberation Unit Impedance	6			ohm
T _{OP}	Operating Temperature Range	-20		+80	°C

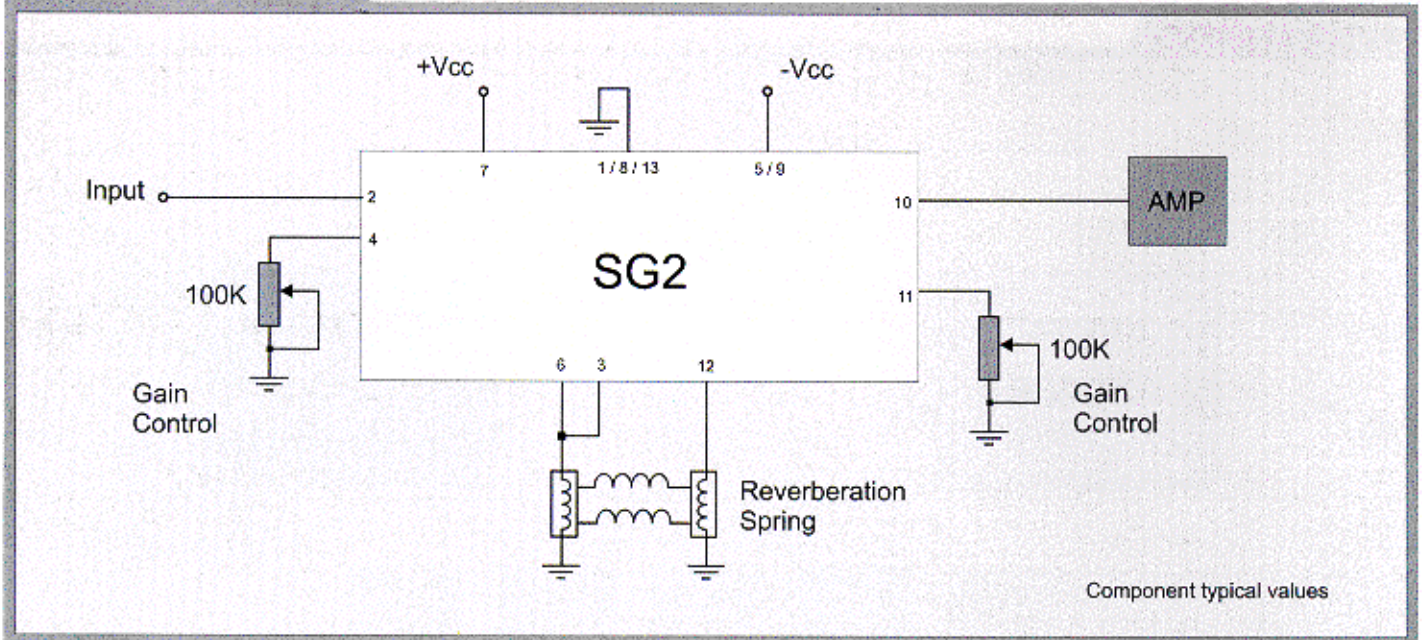
Pin Description

1,8,13	GND	Ground
2	ID	Input Driver
3	FB	Feedback
4	GD	Driver Gain Control
5,9	-V _{CC}	Negative Supply Voltage
6	OD	Driver Output
7	+V _{CC}	Positive Supply Voltage
10	OR	Output Read Pre-Amp
11	GR	Read Pre-Amp Gain Control
12	IR	Input Read Pre-Amp

Mechanical Dimensions



TYPICAL APPLICATION



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