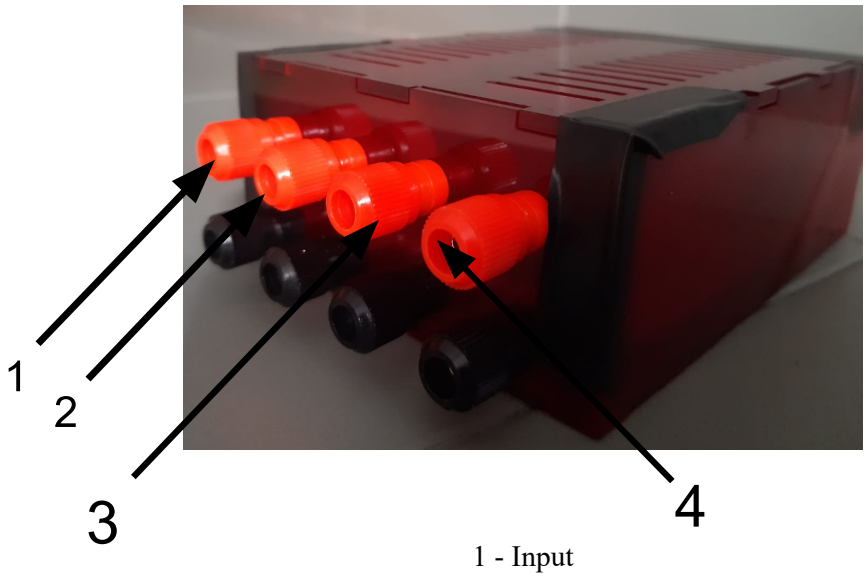
HIGH FREQUENCY AMPLIFIER

Specification Sheet

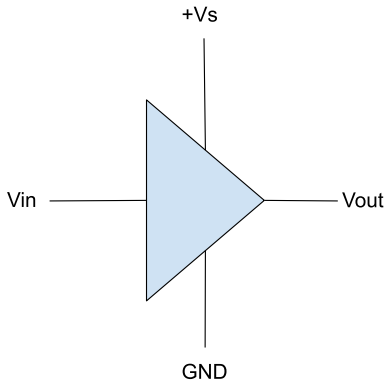
Description

The High Frequency Amplifier is an amplifier that can be used for high frequency applications. The design enables the amplifier to drive a small load, making it ideal for amplification of audio signals etc.



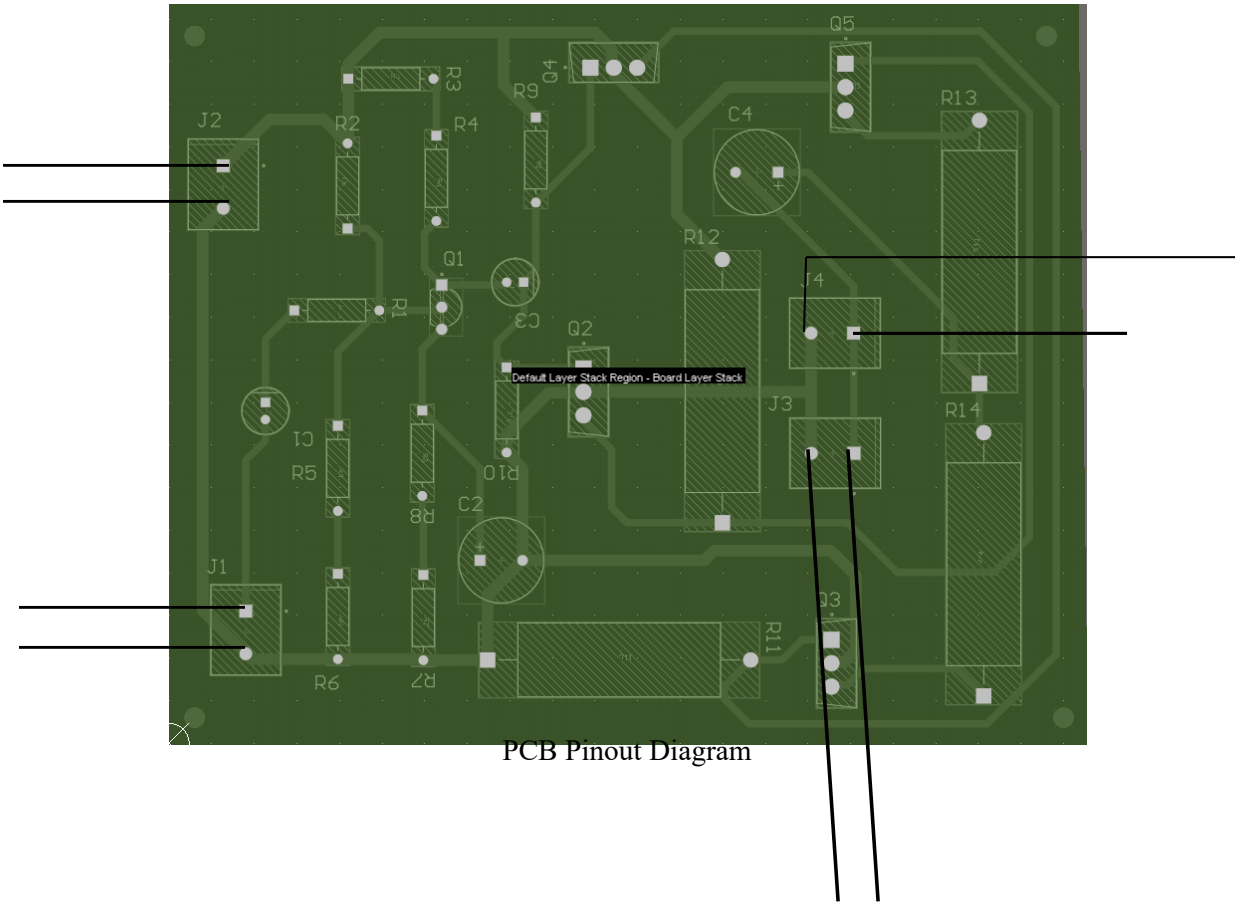
1 - Input
2 - Output
3 - Load
4 - Power

Functional Block Diagram



Electrical Specifications

Parameter	Conditions	Minimum	Typical	Maximum	Units
Operating Supply Voltage	-	-	-	12	V
Input Voltage (pk-pk)	Sine wave	-	-	0.1	V
Open Circuit Voltage Gain	$R_L \rightarrow \infty$	-	13.096	-	dB
Voltage Gain	$R_L = 8\Omega$	-	11.64	-	dB
Bandwidth	-	-	1.117	-	MHz
Power Output	$R_L = 8\Omega$	-	7.97	-	mW
Input Resistance	$R_L \rightarrow \infty$	-	2.772	-	kΩ
Output Resistance	$Vs = 0V$	-	8.44	-	Ω
Load Current	$R_L = 8\Omega$	-	31.6	-	mA



PCB Pinout Diagram