



**Nvis 6522 Power and Differential Amplifier** is a basic product comprising of numerous transistorized amplifiers like Class A, Class B, Class C and Differential amplifier. This product is equipped with an in-built DC Power Supply and Sine wave generator which make it a complete unit for performing all experiments without requiring any extra accessory. Study of Class AB amplifier can also be done using this kit.

Power amplifier, as the name depicts, amplifies the input signal and makes it stronger at the output. Power amplifier can be used as audio amplifier, RF amplifier etc. Differential amplifier amplifies the difference between the two signals.

### Features

- In-built DC Power Supply
- In-built Sinewave Generator
- Easy Illustration of different types of amplifier
- Online product tutorial

### Scope of Learning

- Study of the working principle of class A Amplifier
- Study of the working principle of Class B and Class AB Push-pull Amplifier
- Study of the working principle of class C Amplifier and its operation at tuned frequency
- Study of the working principle of Differential Amplifier

### Technical Specifications

<b>Mains supply</b>	: 230V $\pm$ 10%, 50Hz
<b>DC power supply</b>	
Fixed	: +12V, -12V, +5V, -5V
<b>Frequency</b>	
Variable	: 10kHz to 100kHz
Amplitude Variable	: 0 to 5Vpp
<b>Fuse</b>	
Slow Blow	: 500mA
<b>Dimensions (mm)</b>	: W 345 x D 240 x H 110
<b>Weight</b>	: 2kg (approximate)