

Class "C" Amplifier



Product Categories: [Amplifier's](#), [Amplifier's](#), [Electronics](#), [Engineering Equipment](#)

Product Page: <https://www.labappara.com/product/class-c-amplifier/>

Product Description

Class "C" Amplifier

The Class C Amplifier design has the greatest efficiency but the poorest linearity of the classes of amplifiers mentioned here. The previous classes, A, B and AB are considered linear amplifiers, as the output signals amplitude and phase are linearly related to the input signals amplitude and phase.

class C amplifier is heavily biased so that the output current is zero for more than one half of an input sinusoidal signal cycle with the transistor idling at its cut-off point. In other words, the conduction angle for the transistor is significantly less than 180 degrees, and is generally around the 90 degrees area.