Transistor Circuit Configurations **Common Base: Common Collector; Common Emitter**

There are three circuit configurations that can be used for transistor circuit designs, namely the common base, common collector (emitter follower) and the common emitter. Each has its own characteristics so it's necesary to select the right type for any circuit design.



Input / output phase relationship

	R1	Output
	•	<u> </u>

Input resistance	Medium
Output resistance	Medium

Common Emitter





Gains its name from the fact that the emitter is common to both input and output circuits. It is the most common of the formats for transistor amplifier stages.

General characteristics PARAMETER CHARACTERISTICS Voltage gain Medium Current gain Medium High Power gain Input / output phase relationship 180° Input resistance Medium Output resistance Medium

https://www.electronics-notes.com/articles/summary-infographics/

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Typical applications:

- digital drivers

- general purpose amplifier

- general purpose driver