

Answer on Question#36775 – Physics – Mechanics | Kinematics | Dynamics

Drawn symbol for a n-pri transistor.

Solution:

The schematic symbol for a transistor is similar to how the actual physical part looks. The symbol is a vertical line that has two bent horizontal lines on the right and one straight horizontal line on the left. The straight line on the left is the base line, the top bent line on the right is the collector and the bottom bent line on the right is the emitter. The main body of the symbol is enclosed by a circle or the envelope. For bipolar transistors, there may be an arrow on the emitter leg or line pointing either towards or away from the vertical line, depending on the type of the transistor.

Transistor Symbols

Transistor schematic symbols of electronic circuit - NPN, PNP, Darlington, JFET-N, JFET-P, NMOS, PMOS.

Table of transistor symbols

Symbol	Name	Description
	NPN Bipolar Transistor	Allows current flow when high potential at base (middle)
	PNP Bipolar Transistor	Allows current flow when low potential at base (middle)
	Darlington Transistor	Made from 2 bipolar transistors. Has total gain of the product of each gain.
	JFET-N Transistor	N-channel field effect transistor
	JFET-P Transistor	P-channel field effect transistor
	NMOS Transistor	N-channel MOSFET transistor
	PMOS Transistor	P-channel MOSFET transistor