



Fig. 6.28(a): The basic structure of the junction field effect transistor (JFET) with an  $n$ -channel. The two  $p^+$  regions are electrically connected, and form the gate. (b) A simplified sketch of the cross section of a more practical  $n$ -channel JFET.

From *Principles of Electrical Engineering Materials and Devices*, S.O. Kasap (© McGraw-Hill, Burr Ridge, Illinois, 1997; ISBN: 0-256-16173-9; ISE-ISBN: 0-07-114446-3; <http://www.Kasap.Uask.ca>)