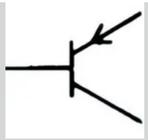
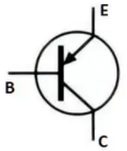
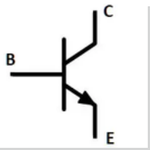
Transistor Symbols



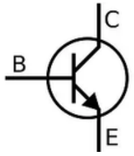
PNP transistor (IEC)



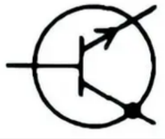
PNP transistor (IEEE)



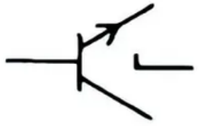
NPN transistor (IEC)



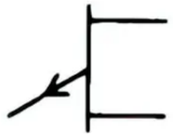
NPN transistor (IEEE)



NPN transistor with collector connected to the envelope



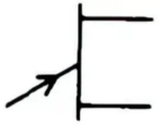
NPN avalanche transistor



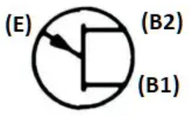
Unijunction transistor with P-type base

Unijunction transistor with P-type base

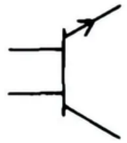
N-channel insulated-gate, depletion-type, single-gate, passive-bulk



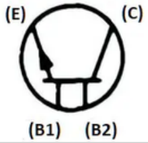
Unijunction transistor with N-type base



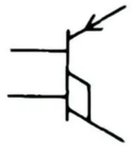
Unijunction transistor with N-type base



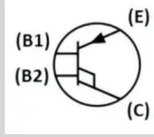
NPN transistor with transverse biased base



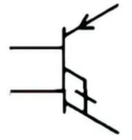
NPN transistor with transverse biased base



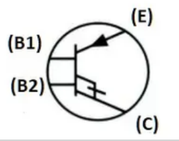
PNIP transistor with connection to the intrinsic region



PNIP transistor with ohmic connection to the intrinsic region



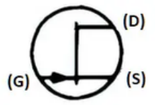
PNIN transistor with connection to the intrinsic region



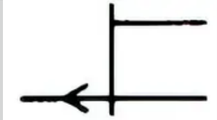
PNIN transistor with ohmic connection to the intrinsic region

Insulated gate field effect transistor IGFET enhancement type, P-type channel

Junction field effect transistor with N-type channel

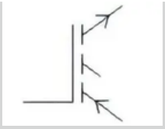


Field-effect transistor with N channel

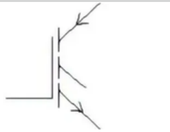


Junction field effect transistor with P-type channel

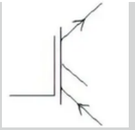
Field-effect transistor with P-channel



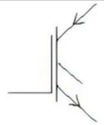
Insulated-gate bipolar transistor (IGBT) enhancement type, P channel



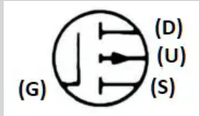
Insulated-gate bipolar transistor (IGBT) enhancement type, N channel



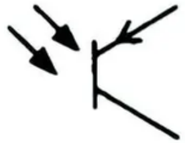
Insulated-gate bipolar transistor (IGBT) depletion type, P channel



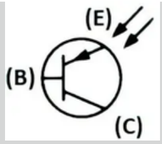
Insulated-gate bipolar transistor (IGBT) depletion type, N channel



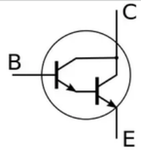
P-channel insulated-gate, enhancement-type, single-gate



Phototransistor (PNP type)

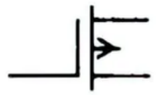


Phototransistor (PNP-type)



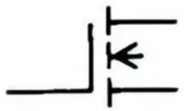
Darlington transistor (NPN-type)

Insulated gate field effect transistor IGFET enhancement type, P-type channel

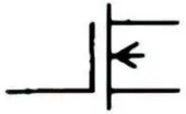


Insulated gate field effect transistor IGFET, depletion type, P-type channel

P-channel insulated-gate, depletion-type, single-gate



Insulated gate field effect transistor IGFET enhancement type, N-type channel



Insulated gate field effect transistor IGFET, depletion type, single gate, N-type channel

Insulated gate field effect transistor IGFET enhancement type, N-type channel

All Electrical & Electronic Symbols in https://www.asutpp.com (based on IEC and IEEE standarts)

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