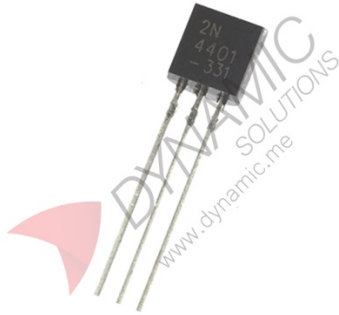


2N4401 NPN Switching Transistor



Features:

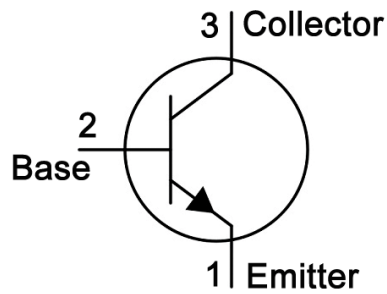
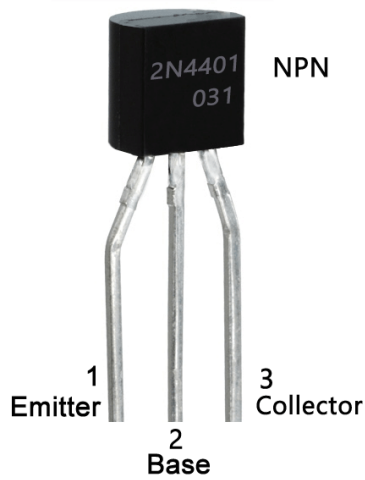
The 2N4401 NPN Transistor is a silicon transistor in a TO-92 package designed for general switching and amplification applications. It supports 40V collector-emitter voltage, 60V collector-base voltage, 600 mA collector current, 250 MHz transition frequency, and low switching times for use in electronic control and signal circuits.

Specifications	
Part Number	2N4401
Device Type	NPN silicon transistor
Case	TO-92
Polarity	NPN
Collector-Base Voltage	60V
Collector-Emitter Voltage	40V
Emitter-Base Voltage	6V
Collector Current	600 mA
Collector Power Dissipation	350 mW
Derating Above 25°C	2.8 mW/°C
Collector Cutoff Current	0.1 uA max
Emitter Cutoff Current	0.1 uA max
DC Current Gain hFE	100 min
Transition Frequency	250 MHz
Collector Output Capacitance	6.5 pF
Emitter Input Capacitance	30 pF
Delay Time	15 ns
Rise Time	20 ns
Storage Time	225 ns
Fall Time	30 ns
Junction Temperature	150°C
Storage Temperature Range	-55°C to 150°C
Mounting Type	Through hole
Surface Mounted	No
Dimensions	1.9x0.4x0.3xm
Applications	Switching, signal amplification, electronic control circuits
Usage	General purpose NPN transistor for switching and amplifier circuits

Pinouts:

Pin Name	Description
E	Emitter terminal where current exits the transistor
B	Base terminal controls transistor switching or amplification
C	Collector terminal where current enters the transistor

TO-92 Package



Product Pictures:

