


## RF Transistor, PNP, TO-39

<b>Manufacturer:</b>	Multicomp Pro
<b>Package/Case:</b>	TO-39
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The 2N4033 is a bipolar junction transistor (BJT) that is commonly used in electronic circuits for amplification and switching purposes. It is a general-purpose NPN transistor designed for medium power applications.

## Key Features

**Transistor Type:** The 2N4033 is an NPN transistor, which means it has two layers of N-type semiconductor material sandwiched between a layer of P-type material.

**Maximum Ratings:** The transistor has maximum ratings that indicate the limits of its electrical and thermal characteristics. Some of the key ratings include a maximum collector current (IC) of 1.5A, maximum collector-emitter voltage (VCEO) of 140V, and maximum power dissipation (Pd) of 1.5W.

**Gain and Frequency:** The 2N4033 has a typical DC current gain (hFE) of 30 to 120, which indicates its amplification capability. The transistor also has a maximum frequency rating (fT) of 150MHz, which indicates its suitability for high-frequency applications.

**Package:** It is available in various package options, including TO-39 and TO-18, which are metal can packages.

## Application

**Amplification:** It can be used as a small-signal amplifier in audio circuits, RF circuits, and other applications where signal amplification is required.

**Switching:** The 2N4033 can be used as a switch to control higher currents or voltages in electronic circuits. It is suitable for both low-frequency and high-frequency switching applications.

**Oscillators:** It can be used in oscillator circuits to generate and control stable oscillations, especially in RF circuits.

**Power Supplies:** The transistor can be employed in power supply circuits to regulate and control the flow of current.



## Recommended For You

---

### 2N930A

Multicomp Pro

CAN3

### 2N6668

Multicomp Pro

TO-220

### MJ2501

Multicomp Pro

TO-3

### MJ11016

Multicomp Pro

TO-3

### MJ3001

Multicomp Pro

TO-3

### BDW93B

Multicomp Pro

TO-220

### TIP145

Multicomp Pro

TO-247

### BDW94B

Multicomp Pro

TO-220

### MPSA14

Multicomp Pro

TO-92

### TIP146

Multicomp Pro

TO-220

### TIP137

Multicomp Pro

TO-220

### TIP140

Multicomp Pro

TO-220