



**PRODUCT NAME :** 2N5210 NPN General Purpose Transistor (Pack of 5)

**PRICE :** Rs 20.00

**SKU :** RM2076



NOTE: THE PRODUCT MAY BE DIFFERENT FROM IMAGE SHOWN. Copyrights by Robomart.com

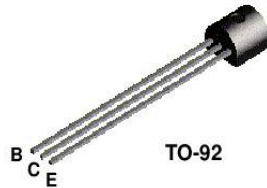
## DESCRIPTION

## Features

- Collector-Emitter Volt ( $V_{ce0}$ ): 25V
- Collector-Base Volt ( $V_{cb0}$ ): 25V
- Collector Current ( $I_c$ ): 0.5A
- $h_{fe}$ : 100-500 @ 10mA
- Power Dissipation ( $P_{tot}$ ): 625mW
- Current-Gain-Bandwidth ( $f_{total}$ ): -
- Type: PNP



## 2N5172



### NPN General Purpose Amplifier

This device is designed for use as general purpose amplifiers and switches requiring collector currents to 300 mA. Sourced from Process 10. See PN100 for characteristics.

#### Absolute Maximum Ratings\* TA = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
$V_{CEO}$	Collector-Emitter Voltage	25	V
$V_{CBO}$	Collector-Base Voltage	25	V
$V_{EBO}$	Emitter-Base Voltage	5.0	V
$I_C$	Collector Current - Continuous	500	mA
$T_J, T_{stg}$	Operating and Storage Junction Temperature Range	-55 to +150	°C

\* These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

**NOTES:**

- 1) These ratings are based on a maximum junction temperature of 150 degrees C.
- 2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

#### Thermal Characteristics TA = 25°C unless otherwise noted

Symbol	Characteristic	Max	Units
		2N5172	
$P_D$	Total Device Dissipation	625	mW
	Derate above 25°C	5.0	mW/°C
$R_{\theta JC}$	Thermal Resistance, Junction to Case	83.3	°C/W
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	200	°C/W

