



PRODUCT NAME : 2N3704 NPN General Purpose Transistor (Pack of 5)

PRICE : Rs 20.00

SKU : RM2044



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

DESCRIPTION

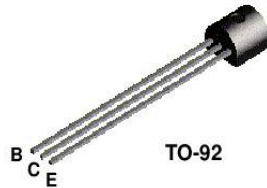
Features

- Collector-Emitter Volt (V_{ce0}): 30V
- Collector-Base Volt (V_{cb0}): 50V
- Collector Current (I_c): 0.5A
- h_{fe} : 100-300 @ 50mA
- Power Dissipation (P_{tot}): 625mW
- Current-Gain-Bandwidth (f_{total}): 100MHz
- Type: NPN

2N3704



2N3704



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	30	V
V_{CBO}	Collector-Base Voltage	50	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
		2N3704	
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

