



PRODUCT NAME : 2N4032 PNP General Purpose Transistor (Pack of 5)

PRICE : Rs 20.00

SKU : RM2051



DESCRIPTION

WITH THE PRODUCT BEING REFERENCED ABOVE. Copyrights by Robomart.com

Features

- Collector-Emitter Volt (V_{ce0}): 60V
- Collector-Base Volt (V_{cb0}): 60V
- Collector Current (I_c): 0.1A
- h_{fe} : 40-120 @ 10mA
- Power Dissipation (P_{tot}): -
- Current-Gain-Bandwidth (f_{total}): 100MHz
- Type: PNP

Boca Semiconductor Corp.

MAXIMUM RATINGS

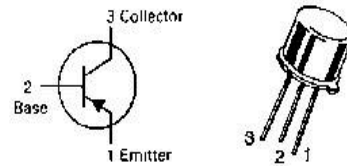
Rating	Symbol	2N4032	2N4033	Unit
Collector-Emitter Voltage	V_{CE0}	-60	-80	Vdc
Collector-Base Voltage	V_{CBO}	-60	-80	Vdc
Emitter-Base Voltage	V_{EBO}	-5.0	-5.0	Vdc
Collector Current — Continuous	I_C	2N4032	2N4033	Adc
			-1.0	
Total Device Dissipation @ $T_A = 25^\circ\text{C}$ Derate above 25°C	PD	0.8		W
		4.56		mW/°C
Total Device Dissipation @ $T_C = 25^\circ\text{C}$ Derate above 25°C	PD	4.0		W
		22.8		mW/°C
Operating and Storage Junction Temperature Range	T_J, T_{stg}	-65 to +200		°C

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	140	°C/W
Thermal Resistance, Junction to Case	$R_{\theta JC}$	25	°C/W

2N4032 2N4033

**CASE 79-04, STYLE 1
TO-39 (TO-205AD)**



**GENERAL PURPOSE
TRANSISTORS**

PNP SILICON

Refer to 2N4405 for graphs.

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted.)

Characteristic	Symbol	Min	Max	Unit
OFF CHARACTERISTICS				
Collector-Emitter Breakdown Voltage(1) ($I_C = -10 \text{ mA}$)	$V_{(BR)CEO}$	-60 -80	—	V
Collector-Base Breakdown Voltage ($I_C = -10 \mu\text{A}$)	$V_{(BR)CBO}$	60 -80	—	V
Emitter-Base Breakdown Voltage ($I_E = -10 \mu\text{A}$)	$V_{(BR)EBO}$	-5.0	—	V
Collector Cutoff Current ($V_{CB} = -50 \text{ V}$)	I_{CBO}	—	-60	nA
($V_{CB} = -60 \text{ V}$)		—	-50	
($V_{CB} = -50 \text{ V}, T_A = 150^\circ\text{C}$)		—	-50	μA
($V_{CB} = -60 \text{ V}, T_A = 150^\circ\text{C}$)		—	-50	
Emitter Cutoff Current ($V_{EB} = -5.0 \text{ V}$)	I_{EBO}	—	-10	μA
ON CHARACTERISTICS				
DC Current Gain ($I_C = -100 \text{ mA}, V_{CE} = -5.0 \text{ V}, @ -55^\circ\text{C}$)(1)	h_{FE}	40	—	—
($I_C = -100 \mu\text{A}, V_{CE} = -5.0 \text{ V}$)		75	—	
($I_C = -100 \text{ mA}, V_{CE} = -5.0 \text{ V}$)(1)		100	300	
($I_C = -500 \text{ mA}, V_{CE} = 5.0 \text{ V}$)(1)		70	—	
($I_C = -1.0 \text{ A}, V_{CE} = -5.0 \text{ V}$)(1)		40	—	
		25	—	

<http://www.bocasemi.com>

