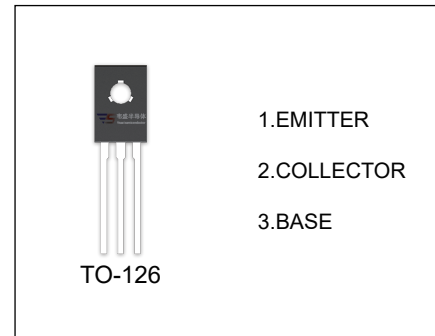


## BD034 TRANSISTOR (PNP)

### FEATURES

- High Transition Frequency
- High Collector Current



### ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
BD034	TO-126	Bulk	200pcs/Bag
BD034-TU	TO-126	Tube	60pcs/Tube

### MAXIMUM RATINGS ( $T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
$V_{CB0}$	Collector-Base Voltage	-110	V
$V_{CEO}$	Collector-Emitter Voltage	-95	V
$V_{EBO}$	Emitter-Base Voltage	-7	V
$I_C$	Collector Current	-2.5	A
$P_C$	Collector Power Dissipation	1.25	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	100	$^{\circ}\text{C}/\text{W}$
$T_J, T_{stg}$	Operation Junction and Storage Temperature Range	-55~+150	$^{\circ}\text{C}$

$T_a=25\text{ }^\circ\text{C}$  unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=-100\mu\text{A}, I_E=0$	-110			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=-10\text{mA}, I_B=0$	-95			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=-100\mu\text{A}, I_C=0$	-7			V
Collector cut-off current	$I_{CBO}$	$V_{CB}=-100\text{V}, I_E=0$			-1	$\mu\text{A}$
Emitter cut-off current	$I_{EBO}$	$V_{EB}=-5\text{V}, I_C=0$			-1	$\mu\text{A}$
DC current gain	$h_{FE(1)}$	$V_{CE}=-2\text{V}, I_C=-100\text{mA}$	100		560	
	$h_{FE(2)}$	$V_{CE}=-2\text{V}, I_C=-1.5\text{A}$	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=-2\text{A}, I_B=-200\text{mA}$			-0.5	V
Base-emitter voltage	$V_{BE}$	$V_{CE}=-5\text{V}, I_C=-500\text{mA}$			-1	V
Transition frequency	$f_T$	$V_{CE}=-1\text{V}, I_C=-250\text{mA}, f=1\text{MHz}$	3			MHz

#### CLASSIFICATION OF $h_{FE(1)}$

RANK	R	S	T	U
RANGE	100-200	140-280	200-400	280-560