

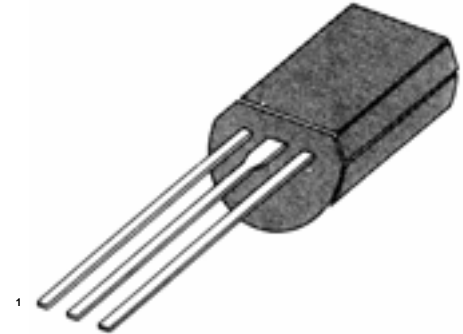
### Features

- Collection Dissipation :  $P_C(\max) = 800\text{mW}$
- Collector-Emitter Voltage :  $V_{CEO} = 160\text{V}$

### Absolute Maximum Ratings (TA=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CBO}$	200	V
Collector-Emitter Voltage	$V_{CEO}$	160	V
Emitter-Base Voltage	$V_{EBO}$	5	V
Collector Current	$I_C$	1000	mA
Collector Dissipation	$P_C$	800	mW
Junction Temperature	$T_J$	150	°C
Storage Temperature	$T_{STG}$	-55~+150	°C

TO - 92L



1. Emitter    2. Collector    3. Base

### Electrical Characteristics (TA=25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Base Breakdown Voltage	$BV_{CBO}$	$I_C = 100\mu\text{A}, I_E = 0$	200		V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C = 10\text{mA}, I_B = 0$	160		V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E = 10\mu\text{A}, I_C = 0$	5		V
Collector Cut-off Current	$I_{CBO}$	$V_{CB} = 200\text{V}, I_E = 0$		0.1	$\mu\text{A}$
Collector Cut-off Current	$I_{CER}$	$V_{CB} = 160\text{V}, R_{EB} = 10\text{M}$		10	$\mu\text{A}$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = 5\text{V}, I_C = 0$		0.1	$\mu\text{A}$
DC Current Gain	$h_{FE}$	$V_{CE} = 10\text{V}, I_C = 10\text{mA}$	120	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 50\text{mA}, I_B = 5\text{mA}$		0.5	V
Base-Emitter Saturation Voltage	$V_{Be}$	$I_C = 1\text{mA}, V_{CE} = 10\text{V}$		0.7	V
Transition Frequency	$f_T$	$V_{CE} = 10\text{V}, I_C = 10\text{mA}$	50		MHz

### $h_{FE}$ CLASSIFICATION

Classification	Y	GR
$h_{FE}$	120-240	200-400