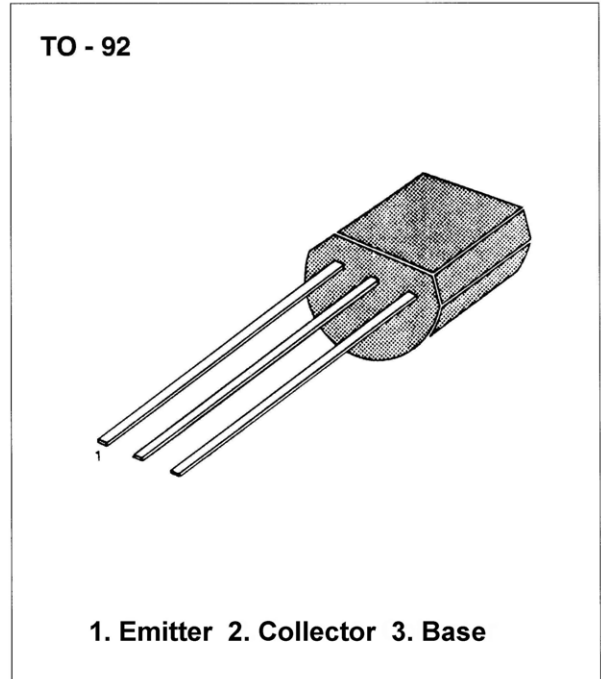


### Features

- Collector-Emitter Voltage:  $V_{CEO}=30V$
- Collector Dissipation:  $P_C=500mW$

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

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CBO}$	35	V
Collector-Emitter Voltage	$V_{CEO}$	30	V
Emitter-Base Voltage	$V_{EBO}$	5	V
Collector Current	$I_C$	500	mA
Collector Dissipation	$P_C$	500	mW
Junction Temperature	$T_J$	150	°C
Storage Temperature	$T_{STG}$	-55~+150	°C



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

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Base Breakdown Voltage	$BV_{CBO}$	$I_C=100\mu A, I_E=0$	35		V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C=1mA, I_B=0$	30		V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E=100\mu A, I_C=0$	5		V
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=35V, I_E=0$		0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=5V, I_C=0$		0.1	$\mu A$
DC Current Gain	$h_{FE(1)}$	$V_{CE}=1V, I_C=100mA$	70	400	
	$h_{FE(2)}$	$V_{CE}=6V, I_C=400mA$	25		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=100mA, I_B=10mA$		0.25	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=1V, I_C=100mA$		1	V
Transition Frequency	$f_T$	$V_{CE}=6V, I_C=20mA$	200		MHz

### $h_{FE}$ CLASSIFICATION

Classification	O	Y	GR
$h_{FE(1)}$	70 - 140	120-240	200-400
$h_{FE(2)}$	25min	40min	-