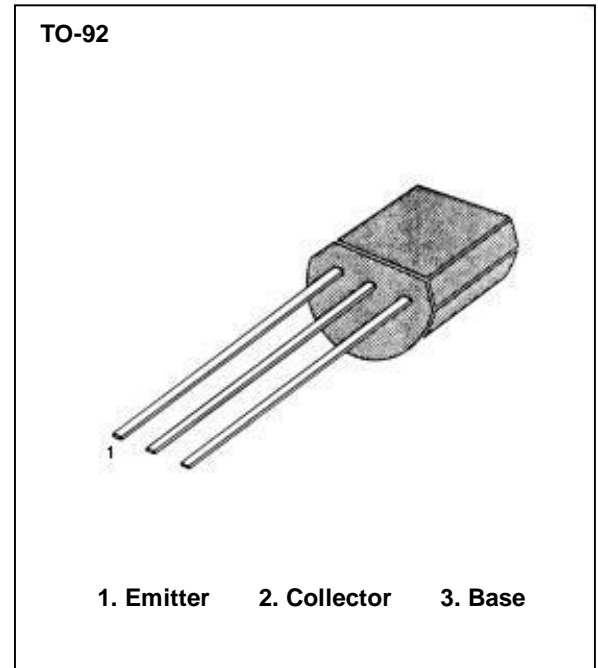


### Features

- Collector-Emitter Voltage:  $V_{CE0}=-50V$
- Collector Dissipation:  $P_C(\text{max})=625mW$

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

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CBO}$	-50	V
Collector-Emitter Voltage	$V_{CEO}$	-50	V
Emitter-Base Voltage	$V_{EBO}$	-5	V
Collector Current	$I_C$	-150	mA
Collector Dissipation	$P_C$	625	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	$BV_{CBO}$	$I_C = -100\mu A, I_E = 0$	-50		V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C = -0.1mA, I_B = 0$	-50		V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E = -100\mu A, I_C = 0$	-5		V
Collector Cut-off Current	$I_{CBO}$	$V_{CB} = -50V, I_E = 0$		-0.1	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = -5V, I_C = 0$		-0.1	$\mu A$
DC Current Gain	$h_{FE1}$	$V_{CE} = -6V, I_C = -2mA$	70	400	
	$h_{FE2}$	$V_{CE} = -6V, I_C = -150mA$	25		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -100mA, I_B = -10mA$		-0.3	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -100mA, I_B = -10mA$		-0.1	V
Transition Frequency	$f_T$	$V_{CE} = -10V, I_C = -1mA$			
		$f = 30MHz$	80		MHz

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

Classification	O	Y	GR
$h_{FE}(1)$	70 – 140	120 – 300	300 – 400