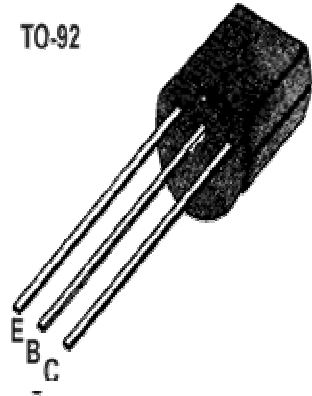


■ ■ APPLICATION: AMPLIFIER APPLICATIONSWITCH APPLICATION.

## ■ ■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	$V_{CBO}$	-60	V
Collector-emitter voltage	$V_{CEO}$	-45	V
Emitter-base voltage	$V_{EBO}$	-5	V
Collector current	$I_c$	-200	mA
Collector Power Dissipation	$P_c$	400	mW
Junction Temperature	$T_J$	150	°C
Storage Temperature Range	$T_{stg}$	- 55~150	°C



## ■ ■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	$h_{FE}$	40		240		$V_{CE} = -1V, I_c = -50mA$
Collector Cut-off Current	$I_{CBO}$			-0.1	$\mu A$	$V_{CB} = -45V, I_E = 0$
Emitter Cut-off Current	$I_{EBO}$			-0.1	$\mu A$	$V_{EB} = -3V, I_c = 0$
Collector-Base Breakdown Voltage	$BV_{CBO}$	-60			V	$I_c = -0.1mA, I_E = 0$
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	-45			V	$I_c = -1mA, I_B = 0$
Emitter-Base Breakdown Voltage	$BV_{EBO}$	-5			V	$I_E = -0.1mA, I_c = 0$
Base-Emitter Voltage	$V_{BE}$		-0.65	-0.90	V	$V_{CE} = -1V, I_c = -10mA$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		-0.25	-0.5	V	$I_c = -150mA, I_B = -15mA$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$		-0.9	-1.2	V	$I_c = -150mA, I_B = -15mA$

 ■ ■  $h_{FE}$  Classification

Classification

$h_{FE}$	40~240
----------	--------