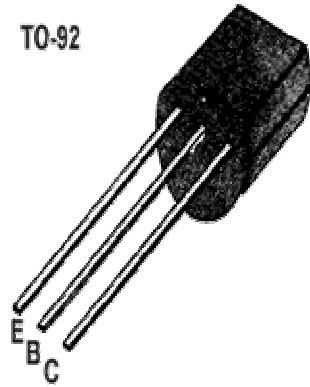


■ ■ APPLICATION: Power supplies, relay drivers,
 lamp drivers, electrical equipment.

■ ■ MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	-30	V
Collector-emitter voltage	V_{CEO}	-25	V
Emitter-base voltage	V_{EBO}	-6	V
Collector current	I_c	-2	A
Collector Power Dissipation	P_c	750	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^\circ\text{C}$



■ ■ ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	100		560		$V_{CE} = -2\text{V}$, $I_c = -100\text{mA}$
Collector Cut-off Current	I_{CBO}			-0.1	μA	$V_{CB} = -20\text{V}$, $I_E = 0$
Emitter Cut-off Current	I_{EBO}			-0.1	μA	$V_{EB} = -4\text{V}$, $I_c = 0$
Collector-Base Breakdown Voltage	BV_{CBO}	-30			V	$I_c = -0.1\text{mA}$, $I_E = 0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	-25			V	$I_c = -1\text{mA}$, $I_B = 0$
Emitter-Base Breakdown Voltage	BV_{EBO}	-6			V	$I_E = -0.1\text{mA}$, $I_c = 0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		-0.18	-0.4	V	$I_c = -1500\text{mA}$, $I_B = -75\text{mA}$
Gain bandwidth product	f_r		150		MHz	$I_c = -50\text{mA}$, $V_{CE} = -10\text{V}$
Common Base Output Capacitance	C_{ob}		19		PF	$V_{CB} = -10\text{V}$, $I_E = 0$, $f = 1\text{MHz}$

■ ■ h_{FE} Classification

Classification	R	S	T	U
h_{FE}	100~200	140~280	200~400	280~560