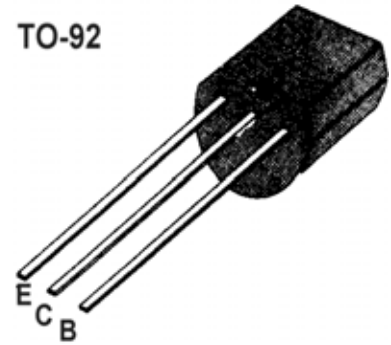


■■ APPLICATION: AMPLIFIER APPLICATIONSWITCH APPLICATION.
■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CB0}	-30	V
Collector-emitter voltage	V_{CE0}	-25	V
Emitter-base voltage	V_{EB0}	-5	V
Collector current	I_c	-1.0	A
Collector Power Dissipation	P_c	800	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}	70		400		$V_{CE} = -1V, I_c = -100mA$
Collector Cut-off Current	I_{CBO}			-0.1	μA	$V_{CB} = -30V, I_E = 0$
Emitter Cut-off Current	I_{EBO}			-0.1	μA	$V_{EB} = -4V, I_c = 0$
Collector-Base Breakdown Voltage	BV_{CB0}	-30			V	$I_c = -0.1mA, I_E = 0$
Collector-Emitter Breakdown Voltage	BV_{CE0}	-25			V	$I_c = -10mA, I_B = 0$
Emitter-Base Breakdown Voltage	BV_{EB0}	-5			V	$I_E = -0.1mA, I_c = 0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-0.5	V	$I_c = -1A, I_B = -0.1A$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$			-1.2	V	$I_c = -1A, I_B = -0.1A$
Gain bandwidth product	f_T		110		MHz	$I_c = -10mA, V_{CE} = -6V$
Common Base Output Capacitance	C_{ob}		18		PF	$V_{CB} = -6V, I_E = 0, f = 1MHz$

■■ h_{FE} Classification And Marking

Classification	O	Y	G
h_{FE}	70~140	120~240	200~400