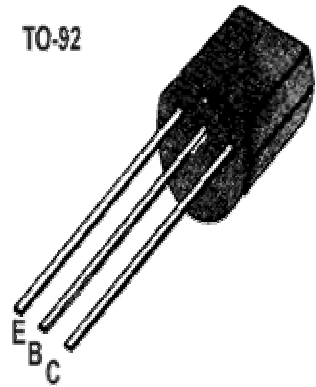


■■■ APPLICATION: General Purpose Amplifier.

■■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	-40	V
Collector-emitter voltage	V _{CEO}	-40	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	I _C	-600	mA
Collector Power Dissipation	P _C	600	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}	50		150		V _{CE} = -2 V, I _C = -150 mA
Collector Cut-off Current	I _{CBO}			0.1	μA	V _{CB} =-35 V, I _E =0
Emitter Cut-off Current	I _{EBO}			0.1	μA	V _{EB} = -3 V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	-40			V	I _C = -0.1 mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-40			V	I _C = -1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	-5			V	I _E = -0.1 mA, I _C =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C = -500 mA, I _B = -50 mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.3	V	I _C = -500 mA, I _B = -50 mA
Gain bandwidth product	f _T	150			MHz	I _C = -10 mA, V _{CE} = -20 V, f = 100 MHz
Turn on Time	t _{on}			35	ns	V _{CC} = -30 V, I _C = -150 mA, I _{B1} = -15mA
Turn off Time	t _{off}			255	ns	V _{CC} = -30 V, I _C = -150mA, I _{B1} =I _{B2} = -15mA

 ■■■ h_{FE} Classification

Classification

 h_{FE} 50~150