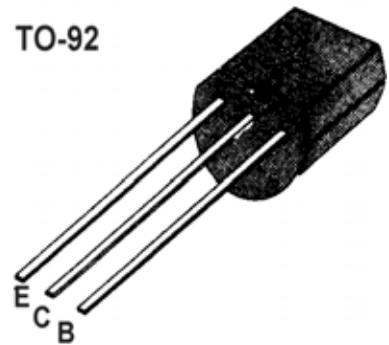


■■ APPLICATION: Frequency Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	-55	V
Collector-emitter voltage	V _{CEO}	-50	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	I _C	-100	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}	60		960		V _{CE} = -6V, I _C = -1mA
Collector Cut-off Current	I _{CBO}			-0.1	μA	V _{CB} = -35V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V _{EB} = -4V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	-55			V	I _C = -0.02mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-50			V	I _C = -1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	-5			V	I _E = -0.02mA, I _C =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C = -50mA, I _B = -5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.1	V	I _C = -50mA, I _B = -5mA
Gain bandwidth product	f _T	150	180		MHz	I _C = -10mA, V _{CE} = -6V
Common Base Output Capacitance	C _{ob}			7	PF	V _{CB} = -6V, I _E =0, f= 1MHz

■■ h_{FE} Classification

Classification	D	E	F	G	H
h _{FE}	60~120	100~200	160~320	280~560	480~960