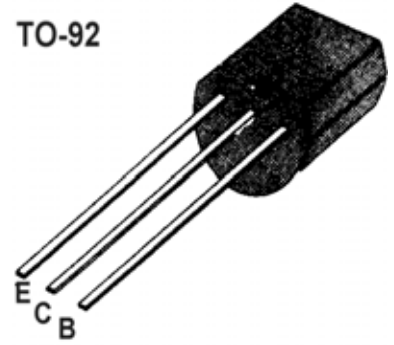


■■ APPLICATION: FM, RF, Mix, OSC.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CB0}	30	V
Collector-emitter voltage	V _{CEO}	20	V
Emitter-base voltage	V _{EBO}	4	V
Collector current	I _c	20	mA
Collector Power Dissipation	P _c	300	mW
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	- 55~150	°C

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■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h _{FE}	39		180		V _{CE} = 6V, I _c = 1mA
Collector Cut-off Current	I _{CB0}			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 _{CEO}	20			V	I _c = 1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	4			V	I _E = 0.1mA, I _c =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.2	V	I _c = 15mA, I _B = 1.5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			1.5	V	I _c = 15mA, I _B = 1.5mA
Gain bandwidth product	f _r		500		MHz	I _c = 1mA, V _{CE} = 6V
Common Base Output Capacitance	C _{ob}		1.4		PF	V _{CB} = 10V, I _E =0, f= 1MHz

■■ h_{FE} Classification

Classification

h_{FE} 39~180