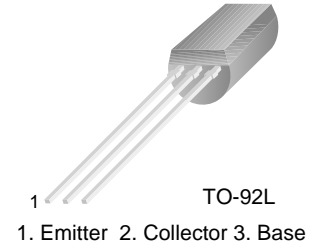


■■ APPLICATION: Low Frequency Amplifier Application.

Power Supply Regulator Application.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	25	V
Collector-emitter voltage	V _{CEO}	25	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _C	1	A
Collector Power Dissipation	P _C	900	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		560		V _{CE} = 2V, I _C = 50mA
Collector Cut-off Current	I _{CBO}			1	μA	V _{CB} = 20V, I _E =0
Emitter Cut-off Current	I _{EBO}			1	μA	V _{EB} = 4V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	25			V	I _C = 0.1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	25			V	I _C = 1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	5			V	I _E = 0.1mA, I _C =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}		0.1	0.3	V	I _C = 500mA, I _B = 50mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.4	V	I _C = 800mA, I _B = 80mA
Base-Emitter Saturation Voltage	V _{BE(sat)}		0.85	1.2	V	I _C = 500mA, I _B = 50mA
Gain bandwidth product	f _T		180		MHz	I _C = 50mA, V _{CE} = 10V
Common Base Output Capacitance	C _{ob}		15		PF	V _{CB} = 10 V, I _E =0, f = 1 MHz

■■ h_{FE} Classification And Marking

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