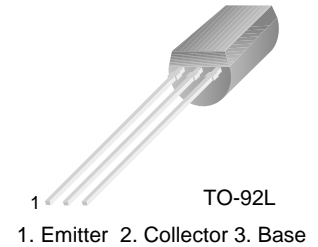


■ ■ APPLICATION: Medium Power Amplifier Applications.

■ ■ MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	-20	V
Collector-emitter voltage	V_{CEO}	-10	V
Emitter-base voltage	V_{EBO}	-6	V
Collector current	I_c	-2	A
Collector Power Dissipation	P_c	900	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^\circ\text{C}$


■ ■ ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	140		600		$V_{CE} = -1\text{V}, I_c = -500\text{mA}$
Collector Cut-off Current	I_{CBO}			-0.1	μA	$V_{CB} = -20\text{V}, I_E = 0$
Emitter Cut-off Current	I_{EBO}			-0.1	μA	$V_{EB} = -6\text{V}, I_c = 0$
Collector-Base Breakdown Voltage	BV_{CBO}	-20			V	$I_c = -1\text{mA}, I_E = 0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	-10			V	$I_c = -10\text{mA}, I_B = 0$
Emitter-Base Breakdown Voltage	BV_{EBO}	-6			V	$I_E = -1\text{mA}, I_c = 0$
Base-Emitter Voltage	V_{BE}		-0.83	-1.5	V	$V_{CE} = -1\text{V}, I_c = -2\text{A}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		-0.20	-0.5	V	$I_c = -2\text{A}, I_B = -50\text{mA}$
Gain bandwidth product	f_T		140		MHz	$I_c = -500\text{mA}, V_{CE} = -1\text{V}$
Common Base Output Capacitance	C_{ob}		50		PF	$V_{CB} = -10\text{V}, I_E = 0, f = 1\text{MHz}$

■ ■ h_{FE} Classification And Marking

Classification	A	B	C
h_{FE}	140~280	200~400	300~600