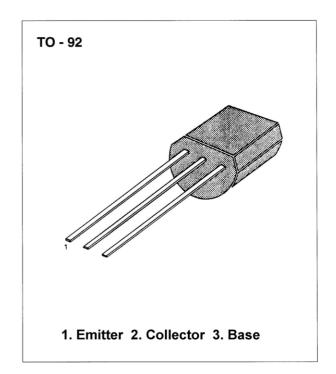


LOW FREQUENCY AMPLIFIER

Collection Dissipation : P_C(max) = 400mW
Collector-Emitter Voltage : V_{CEO} = -50V

Absolute Maximum Ratings (TA=25°C)

	<u> </u>		
Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Collector Current	I _C	-150	mA
Collector Dissipation	Pc	400	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T _{STG}	-55~+150	°C



Electrical Characteristics (TA=25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Base Breakdown Voltage	BV _{CBO}	I _C = -100μA, I _E =0	-50		V
Collector-Emitter Breakdown Voltage	BV_{CEO} I_{C} = -0.1mA, I_{B} =0		-50		V
Collector Cut-off Current	I _{CBO}	V _{CB} = -50V, I _E =0		-0.1	μΑ
Emitter Cut-off Current	I _{EBO}	_{EBO} V _{EB} = -5V, I _C =0		-0.1	μΑ
DC Current Gain	h_{FE}	V_{CE} = -6V, I_{C} = -2mA	70	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I _C = -100mA, I _B = -10mA		-0.3	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$V_{BE(sat)}$ I_{C} = -100mA, I_{B} = -10mA		-1.1	V
Base-Emitter Voltage	V_{BE}	I _E = -310mA		-1.45	V
Transition Frequency	f_T	V_{CE} = -10V, I_{C} = -1mA			
		f=30MHz	80		MHz

h_{FE} CLASSIFICATION

Classification	0	Υ	GR
h _{FE}	70-140	120-240	200-400