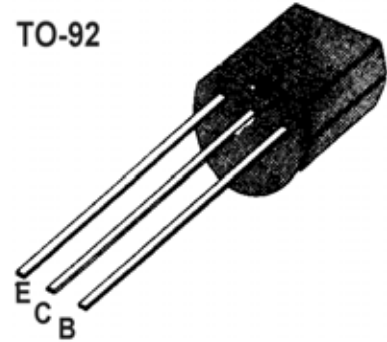


■ ■ APPLICATION: Medium Power Amplifier Application.

■ ■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CB0}	-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	750	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
Common Emitter DC Current Gain	h _{FE}	140		600		V _{CE} = -1V, I _c = -500mA
Collector Cut-off Current	I _{CB0}			-0.1	μA	V _{CB} = -20V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V _{EB} = -6V, I _c =0
Collector-Base Breakdown Voltage	BV _{CB0}	-20			V	I _c = -1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-10			V	I _c = -10mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	-6			V	I _E = -1mA, I _c =0
Base-Emitter Voltage	V _{BE}		-0.83	-1.5	V	V _{CE} = -1V, I _c = -2A
Collector-Emitter Saturation Voltage	V _{CE(sat)}		-0.20	-0.5	V	I _c = -2A, I _B = -50mA
Gain bandwidth product	f _t		140		MHz	I _c = -500mA, V _{CE} = -1V
Common Base Output Capacitance	C _{ob}		50		PF	V _{CB} = -10V, I _E =0, f= 1MHz

■ ■ h_{FE} Classification

Classification	Y	GR	BL
h _{FE}	140~280	200~400	300~600