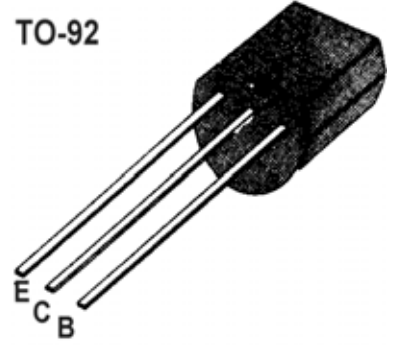


■■ APPLICATION: Low Frequency Amplifier Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V <sub>CBO</sub>	-40	V
Collector-emitter voltage	V <sub>CEO</sub>	-20	V
Emitter-base voltage	V <sub>EBO</sub>	-5	V
Collector current	I <sub>c</sub>	-500	mA
Collector Power Dissipation	P <sub>c</sub>	300	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55~150	°C

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■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h <sub>FE</sub>	40		400		V <sub>CE</sub> = -1V, I <sub>c</sub> = -100mA
Collector Cut-off Current	I <sub>CBO</sub>			-0.1	μA	V <sub>CB</sub> = -25V, I <sub>E</sub> =0
Emitter Cut-off Current	I <sub>EBO</sub>			-0.1	μA	V <sub>EB</sub> = -3V, I <sub>c</sub> =0
Collector-Base Breakdown Voltage	BV <sub>CBO</sub>	-40			V	I <sub>c</sub> = -0.1mA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	-20			V	I <sub>c</sub> = -10mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	-5			V	I <sub>E</sub> = -0.1mA, I <sub>c</sub> =0
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>		-0.3	-0.4	V	I <sub>c</sub> = -500mA, I <sub>B</sub> = -50mA
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>		-1	-1.3	V	I <sub>c</sub> = -500mA, I <sub>B</sub> = -50mA

■■ h<sub>FE</sub> Classification

Classification	R	O	Y	G
h <sub>FE</sub>	40~80	70~140	120~240	200~400