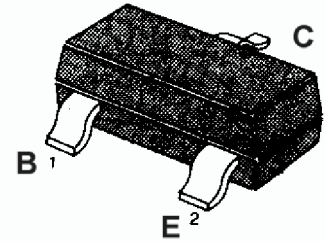


APPLICATION: Drivers Stage Amplifier Applications.

Voltage Amplifier Applications.

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

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	80	V
Collector-emitter voltage	V_{CEO}	80	V
Emitter-base voltage	V_{EBO}	4	V
Collector current	I_C	500	mA
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55~150	$^\circ\text{C}$

SOT-23


1.Base 2.Emmitter 3. Collector

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

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE1}	100				$V_{CE}=1\text{V}, I_C=10\text{mA}$
	h_{FE2}	100				$V_{CE}=1\text{V}, I_C=100\text{mA}$
Collector Cut-off Current	I_{CBO}			0.1	μA	$V_{CB}=80\text{V}, I_E=0$
Emitter Cut-off Current	I_{EBO}			0.1	μA	$V_{EB}=4\text{V}, I_C=0$
Collector-Base Breakdown Voltage	BV_{CBO}	80			V	$I_C=0.1\text{mA}, I_E=0$
Collector-Emmitter Breakdown Voltage	BV_{CEO}	80			V	$I_C=1\text{mA}, I_B=0$
Emitter-Base Breakdown Voltage	BV_{EBO}	4			V	$I_E=0.1\text{mA}, I_C=0$
Base-Emmitte On Voltage	$V_{BE(on)}$			1.2	V	$V_{CE}=1\text{V}, I_C=100\text{mA}$
Collector-Emmitter Saturation Voltage	$V_{CE(sat)}$			0.25	V	$I_C=100\text{mA}, I_B=10\text{mA}$
Gain bandwidth product	f_T	100			MHZ	$I_C=10\text{mA}, V_{CE}=2\text{V}, f=100\text{MHz}$

 h_{FE} **Classification And Marking**

 Print Mark **1G**

Classification

 $h_{FE} \geq 100$