

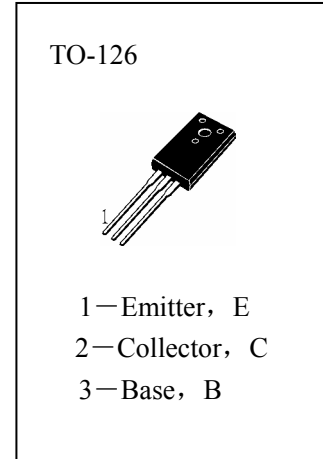
HS2236

APPLICATIONS

Audio Power Amplifier.

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

T _{stg}	—Storage Temperature	.....	-55~150°C
T _j	—Junction Temperature	.....	150°C
P _C	—Collector Dissipation (T _c =25°C)	.....	900mW
V _{CB0}	—Collector-Base Voltage	.....	30V
V _{CEO}	—Collector-Emitter Voltage	.....	30V
V _{EBO}	—Emitter-Base Voltage	.....	5V
I _C	—Collector Current	.....	1.5A
I _b	—Base Current	.....	0.15A

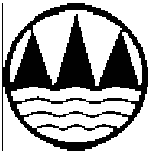


ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CEO}	Collector-Emitter Breakdown Voltage	30			V	I _C =10mA, I _B =0
BV _{EBO}	Emitter-Base Breakdown Voltage	5			V	I _E =1mA, I _C =0
I _{EBO}	Emitter Cut-off Current			100	nA	V _{EB} =5V, I _C =0
I _{CBO}	Collector Cut-off Current			100	nA	V _{CB} =30V, I _E =0
h _{FE}	DC Current Gain	100		320		V _{CE} =2V, I _C =500mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			2	V	I _C =1.5A, I _B =0.03A
V _{BE}	Base-Emitter Voltage			1	V	V _{CE} =2V, I _C =500mA
f _t	Current Gain-Bandwidth Product		120		MHz	V _{CE} =2V, I _C =500mA,
C _{ob}	Output Capacitance			30	pF	V _{CB} =10V, I _E =0, f=1MHz

h_{FE} Classification

O	Y
100—200	160—320



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