

H2682

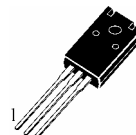
APPLICATIONS

. Audio Power Amplifie.

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)	8W
P _C	Collector Dissipation (T _A =25°C)	1.2W
V _{CBO}	Collector-Base Voltage	180V
V _{CEO}	Collector-Emitter Voltage	180V
V _{EBO}	Emitter-Base Voltage	5V
I _C	Collector Current	100mA

TO-126ML



1—Emitter, E
2—Collector, C
3—Base, B

ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CBO}	Collector-Base Breakdown Voltage	180			V	I _C =100 μ A, I _E =0
BV _{CEO}	Collector-Emitter Breakdown Voltage	180			V	I _C =1mA, I _B =0
BV _{EBO}	Emitter-Base Breakdown Voltage	5			V	I _E =10 μ A, I _C =0
I _{CBO}	Collector Cut-off Current			1	μ A	V _{CB} =180V, I _E =0
I _{EBO}	Emitter Cut-off Current			1	μ A	V _{EB} =3V, I _C =0
H _{FE} (1)	DC Current Gain	90	190			V _{CE} =5V, I _C =1mA
H _{FE} (2)	DC Current Gain	100		320		V _{CE} =5V, I _C =10mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage		0. 12	0. 5	V	I _C =50mA, I _B =5mA
V _{BE(sat)}	Base-Emitter Saturation Voltage		0. 8	1. 5	V	I _C =50mA, I _B =5mA
f _t	Current Gain-Bandwidth Product		200		MHz	V _{CE} =10V, I _C =20mA,
C _{ob}	Output Capacitance		3. 2	5. 0	pF	V _{CB} =10V, I _E =0, f=1MHz

h_{FE} Classification

O

Y

100—200

160—320