

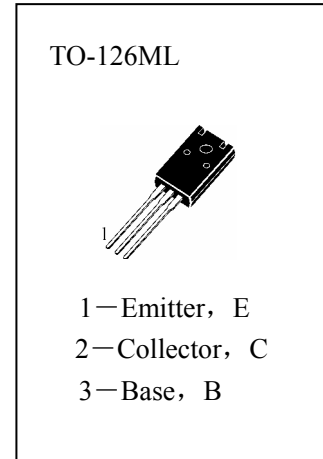
HB123D

APPLICATIONS

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)	10W
V _{CBO}	Collector-Base Voltage	500V
V _{CEO}	Collector-Emitter Voltage	400V
V _{EBO}	Emitter-Base Voltage	8V
I _C	Collector Current	1A



ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CBO}	Collector-Base Breakdown Voltage	500			V	I _C =1mA, I _E =0
BV _{CEO}	Collector-Emitter Breakdown Voltage	400			V	I _C =10mA, I _B =0
BV _{EBO}	Emitter-Base Breakdown Voltage	8			V	I _E =1mA, I _C =0
I _{CBO}	Collector Cut-off Current			10	μ A	V _{CB} =500V, I _E =0
H _{FE} (1)	DC Current Gain	10		65		V _{CE} =5V, I _C =300mA
H _{FE} (2)	DC Current Gain	10				V _{CE} =5V, I _C =500mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			0.3	V	I _C =100mA, I _B =10mA