

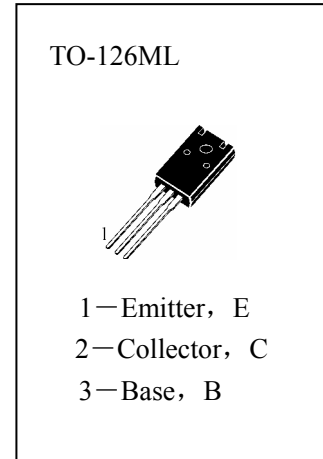
H6718V

APPLICATIONS

. Audio Amplifie, switching 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 _A =25°C)	1.6W
V _{CBO}	Collector-Base Voltage	100V
V _{CEO}	Collector-Emitter Voltage	100V
V _{EBO}	Emitter-Base Voltage	5V
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	100			V	I _C =100 μ A, I _E =0
BV _{CEO}	Collector-Emitter Breakdown Voltage	100			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			100	μ A	V _{CB} =80V, I _E =0
H _{FE} (1)	DC Current Gain	80				V _{CE} =1V, I _C =50mA
H _{FE} (2)	DC Current Gain	50		250		V _{CE} =1V, I _C =250mA
H _{FE} (3)	DC Current Gain	20				V _{CE} =1V, I _C =500mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			350	mV	I _C =350mA, I _B =35mA
f _t	Current Gain-Bandwidth Product	50			MHz	V _{CE} =10V, I _C =50mA,
C _{ob}	Output Capacitance		20		pF	V _{CB} =10V, I _E =0, f=1MHz