

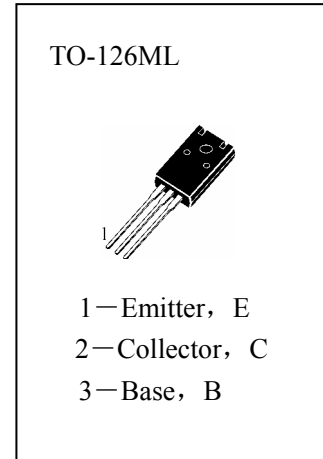
# H6718V

## APPLICATIONS

. Audio Amplifie, switching Power Amplifie

## ABSOLUTE MAXIMUM RATINGS (T<sub>a</sub>=25°C)

T <sub>stg</sub>	—Storage Temperature	.....	-55~150°C
T <sub>j</sub>	—Junction Temperature	.....	150°C
P <sub>C</sub>	—Collector Dissipation (T <sub>A</sub> =25°C)	.....	1.6W
V <sub>CBO</sub>	—Collector-Base Voltage	.....	100V
V <sub>CEO</sub>	—Collector-Emitter Voltage	.....	100V
V <sub>EBO</sub>	—Emitter-Base Voltage	.....	5V
I <sub>C</sub>	—Collector Current	.....	1A



## ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV <sub>CBO</sub>	Collector-Base Breakdown Voltage	100			V	I <sub>C</sub> =100 μ A, I <sub>E</sub> =0
BV <sub>CEO</sub>	Collector-Emitter Breakdown Voltage	100			V	I <sub>C</sub> =1mA, I <sub>B</sub> =0
BV <sub>EBO</sub>	Emitter-Base Breakdown Voltage	5			V	I <sub>E</sub> =10 μ A, I <sub>C</sub> =0
I <sub>CBO</sub>	Collector Cut-off Current			100	μ A	V <sub>CB</sub> =80V, I <sub>E</sub> =0
H <sub>FE</sub> (1)	DC Current Gain	80				V <sub>CE</sub> =1V, I <sub>C</sub> =50mA
H <sub>FE</sub> (2)	DC Current Gain	50		250		V <sub>CE</sub> =1V, I <sub>C</sub> =250mA
H <sub>FE</sub> (3)	DC Current Gain	20				V <sub>CE</sub> =1V, I <sub>C</sub> =500mA
V <sub>CE(sat)</sub>	Collector- Emitter Saturation Voltage			350	mV	I <sub>C</sub> =350mA, I <sub>B</sub> =35mA
f <sub>t</sub>	Current Gain-Bandwidth Product	50			MHz	V <sub>CE</sub> =10V, I <sub>C</sub> =50mA,
C <sub>ob</sub>	Output Capacitance		20		pF	V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz