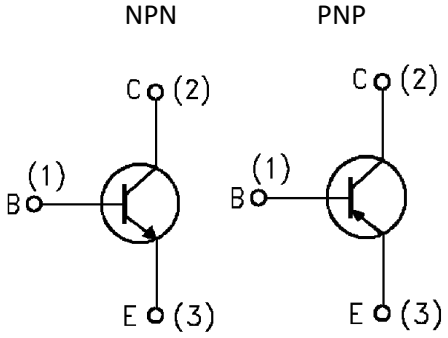
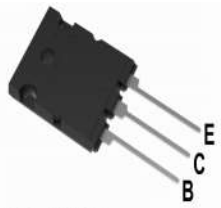
MJL21194G(NPN)
MJL21193G(PNP)

用途
- 高保真音响及其他线性应用

产品特性
- 高集电极电压：V_{CEO}=250V (min)
- NPN-PNP 互补
- 宽安全工作区
- 环保（RoHS）产品

封装 **Package**





TO-3PL

APPLICATIONS

- High fidelity audio amplifier and other linear applications

FEATURES

- High collector voltage：V_{CEO}=250V (min)
- Complementary NPN-PNP
- Exceptional Safe Operating Area
- RoHS Devices

订货信息 ORDER MESSAGE

订货型号 Order codes				印记 Marking	封装 Package
有卤-条管 Halogen-Tube	无卤-条管 Halogen Free-Tube	有卤-盒装 Halogen-Reel	无卤-盒装 Halogen Free-Reel		
MJL21194G-GB-B	N/A	N/A	N/A	MJL21194G	TO-3PL
MJL21193G-GB-B	N/A	N/A	N/A	MJL21193G	TO-3PL

绝对最大额定值 **ABSOLUTE RATINGS** (Tc=25℃ unless otherwise noted)

项　目 Parameter		符　号 Symbol	数　值 Value	单　位 Unit
集电极—基极直流电压	Collector- Base Voltage	V_{CBO}	400	V
集电极—发射极直流电压	Collector- Emitter Voltage	V_{CEO}	250	V
发射极—基极直流电压	Emitter-Base Voltage	V_{EBO}	5.0	V
最大集电极电流	Collector Current	I_C	16	A
最大基极电流	Base Current	I_B	5	A
耗散功率	Total Power Dissipation(Tc=25℃)	P_D	200	W
最高结温	Junction Temperature	T_j	150	℃
贮存温度	Storage Temperature	T_{stg}	-65~150	℃

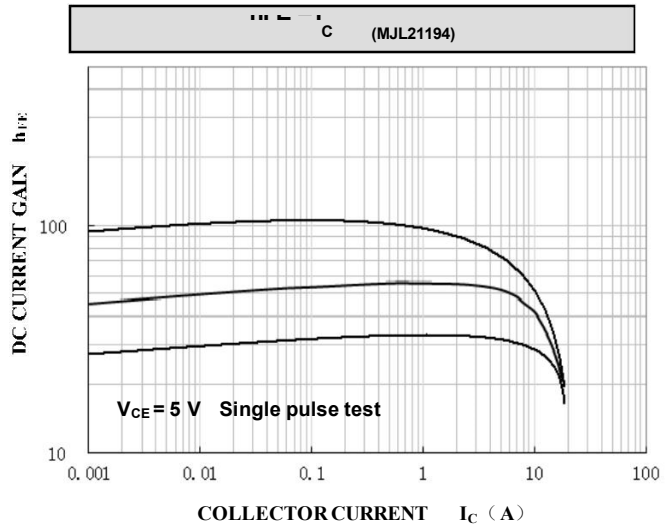
电特性 **ELECTRICAL CHARACTERISTIC**

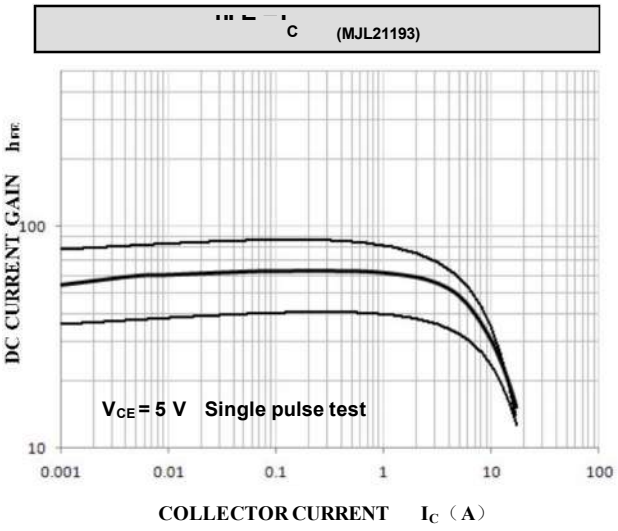
项　目 Parameter	测试条件 Tests conditions	最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单位 Unit
$V_{(BR)CEO}$	Ic=50mA,I_B=0	250	-	-	V
I_{CBO}	V_{CB}=250V,I_E=0	-	-	10.0	μA
I_{EBO}	V_{EB}=5V,I_C=0	-	-	5.0	μA
hFE	V_{CE}=5V,I_C=8A	25	-	75	-
$V_{CE(sat)}$	I_C=8.0A,I_B=0.8A	-	-	1.4	V
$V_{BE(ON)}$	V_{CE}=5.0V,I_C=8.0A	-	-	2.2	V
f_T	V_{CE}=5V, Ic=1.0A	4	-	-	MHz
C_{Ob}	V_{CE}=10V, I_E =0,f=1.0MHz	-	-	500	pF

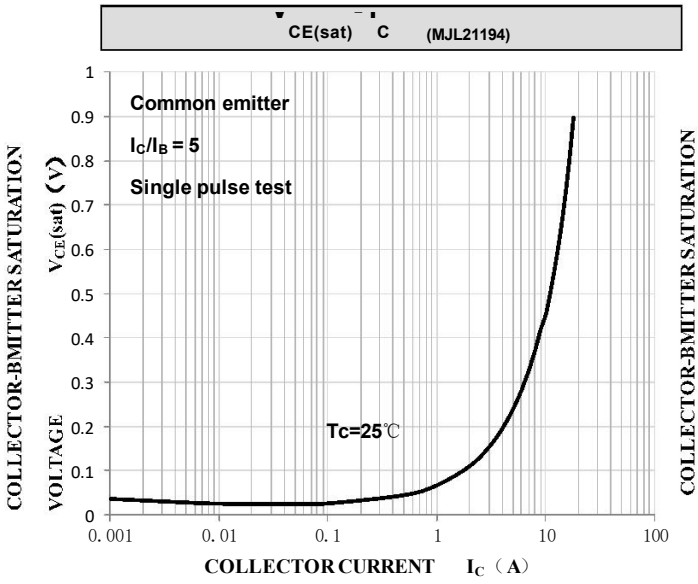
热特性 **THERMAL CHARACTERISTIC**

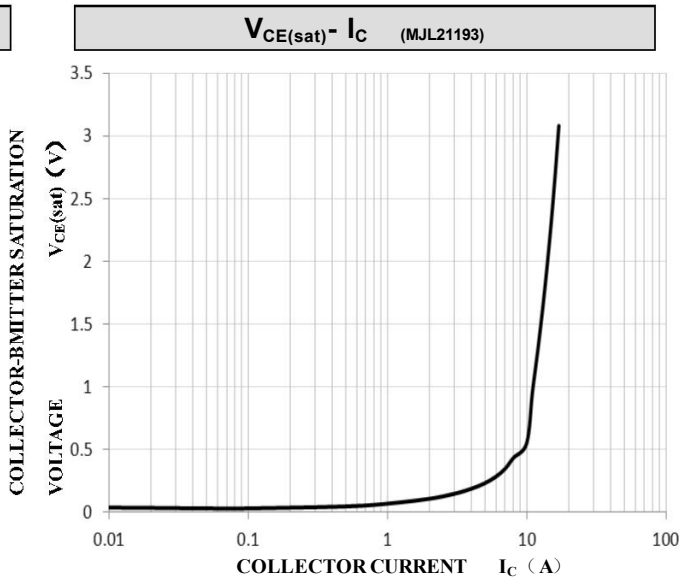
项　目 Parameter		符　号 Symbo	最小值 min	最大值 max	单　位 Unit
结到管壳的热阻 Thermal Resistance Junction Case	TO-3PL(T)	$R_{th(j-c)}$	-	0.7	℃/W

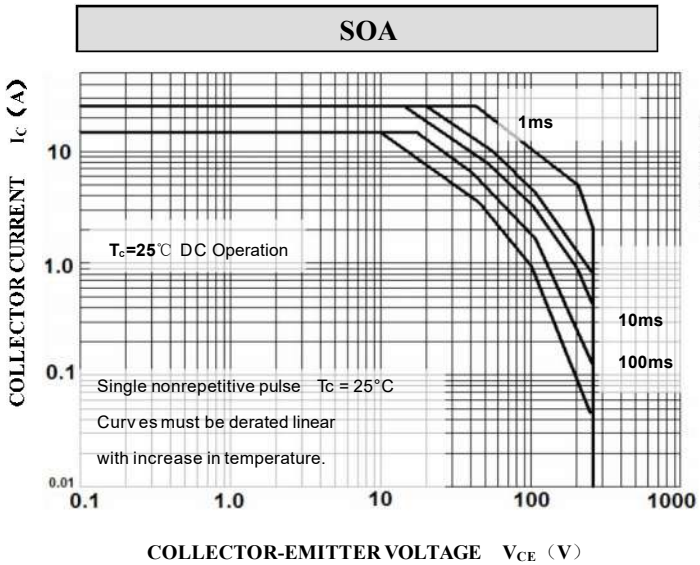
特征曲线 ELECTRICAL CHARACTERISTICS (curves)

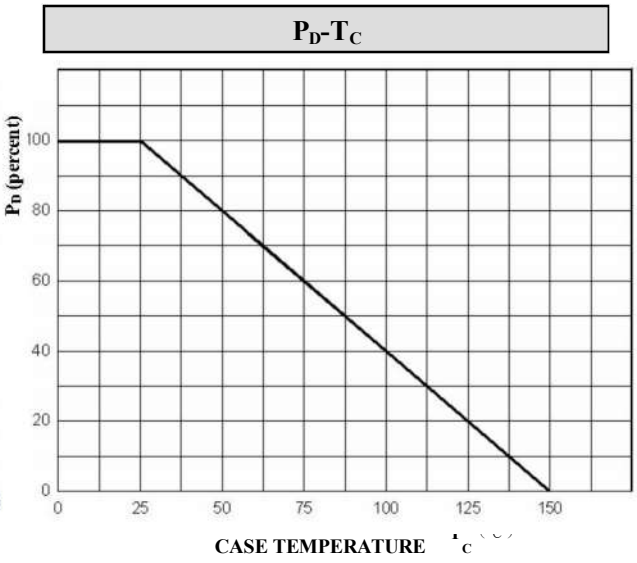






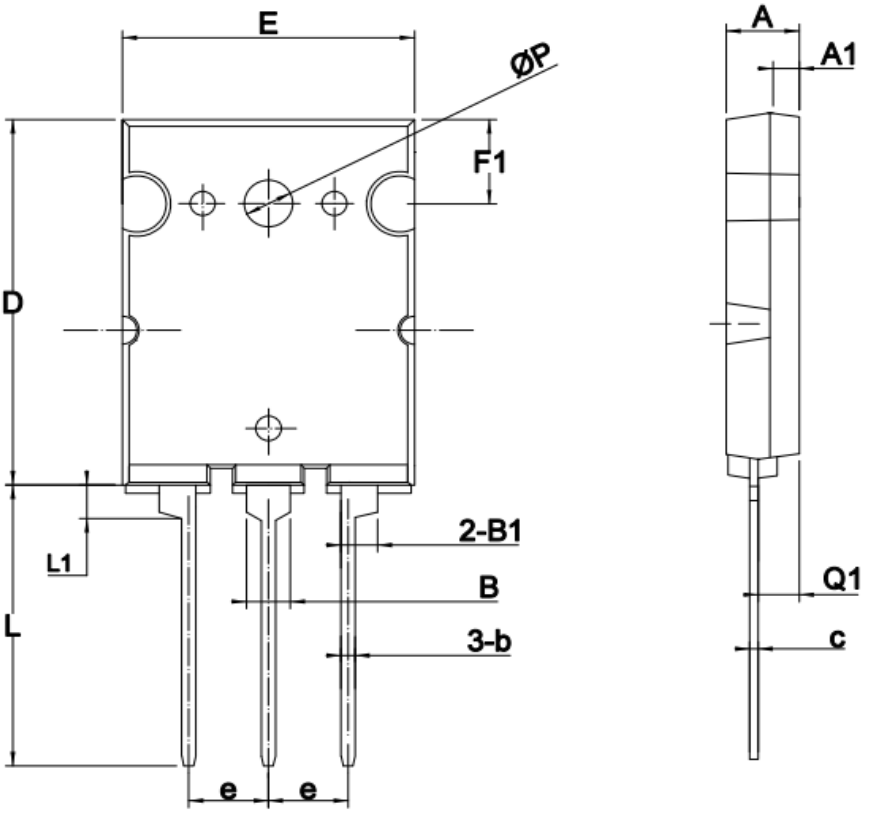






外形尺寸 **PACKAGE MECHANICAL DATA**

TO-3PL 单位(mm)



符号 symbol	MIN	MAX
A	4.70	5.30
A1	1.80	2.20
b	0.80	1.25
B	2.80	3.30
B1	2.30	2.80
c	0.50	0.85
D	25.50	26.50
e	5.45(TYP)	
E	19.50	20.50
F1	5.80	6.20
L	19.50	20.50
L1	2.30	2.70
ΦP	3.10	3.50
Q1	2.60	3.00

注意事项

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3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知。

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2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Jilin Sino-microelectronics co., Ltd reserves the right to make changes in this. specification sheet and is subject to change without prior notice.

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