



BA15N26B(NPN)

BA15P26B(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: $V_{CE0}=260V$ (min)
- NPN-PNP 互补
- 宽安全工作区
- 环保 (RoHS) 产品

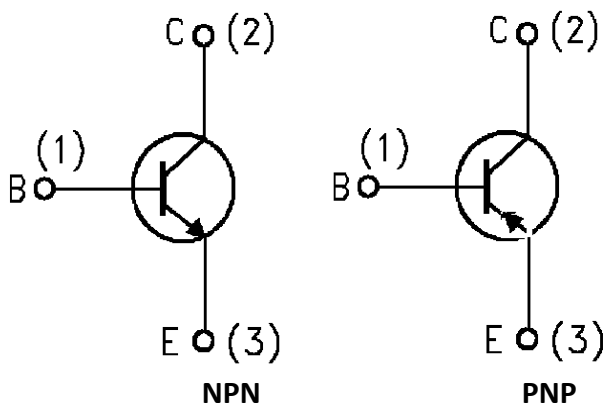
APPLICATIONS

- High fidelity audio amplifier and other linear applications

FEATURES

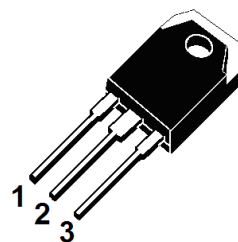
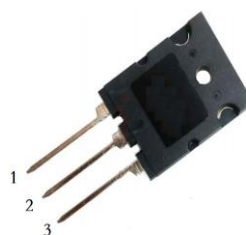
- High collector voltage: $V_{CE0}=260V$ (min)
- Complementary NPN-PNP
- Exceptional Safe Operating Area
- RoHS Devices

封装 Packag



TO-3PL

TO-3PB

1. 基极
BASE2. 集电极
COLLECTOR3. 发射极
EMITTER

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		
BA15N26B-GB-B	N/A	N/A	N/A	BA15N26B	TO-3PL
BA15P26B-GB-B	N/A	N/A	N/A	BA15P26B	TO-3PL
BA15N26B-GD-B	N/A	N/A	N/A	BA15N26B	TO-3PB
BA15P26B-GD-B	N/A	N/A	N/A	BA15P26B	TO-3PB



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绝对最大额定值 **ABSOLUTE RATINGS** ($T_c=25^\circ\text{C}$ 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_{CB0}	260	V
集电极—发射极直流电压 Collector- Emitter Voltage	V_{CEO}	260	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	15	A
最大基极电流 Base Current	I_B	1.5	A
耗散功率 Total Power Dissipation($T_c=25^\circ\text{C}$)	P_D	200	W
最高结温 Junction Temperature	T_j	150	$^\circ\text{C}$
贮存温度 Storage Temperature	T_{stg}	-65~150	$^\circ\text{C}$

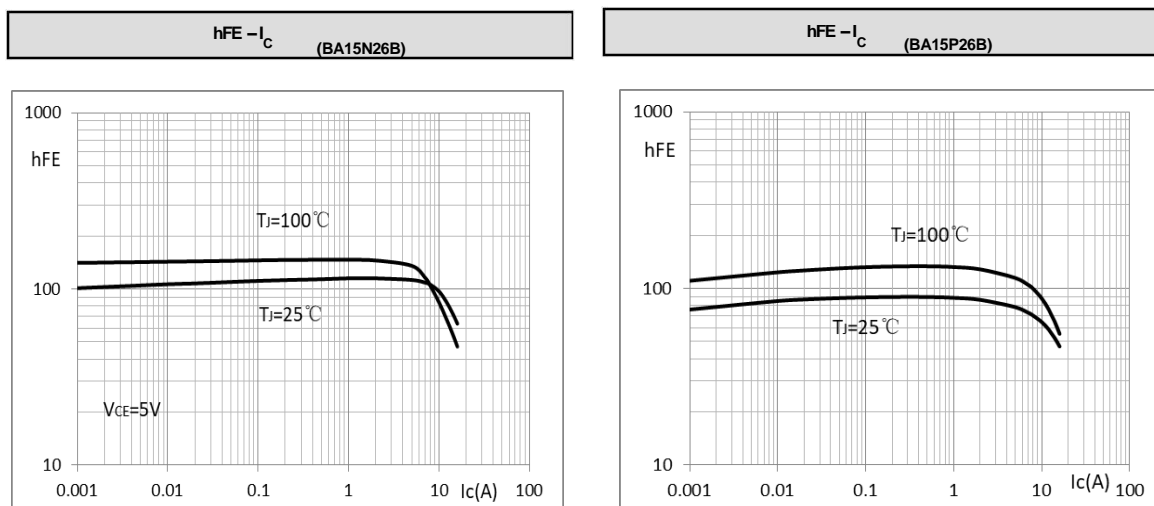
电特性 **ELECTRICAL CHARACTERISTIC**

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
$V_{(BR)CEO}$	$I_C=50\text{mA}, I_B=0$	260	-	-	V
I_{CB0}	$V_{CB}=260\text{V}, I_E=0$	-	-	50.0	μA
I_{EBO}	$V_{EB}=5\text{V}, I_C=0$	-	-	5.0	μA
h_{FE}	$V_{CE}=5\text{V}, I_C=1\text{A}$	75	-	150	-
$V_{CE(sat)}$	$I_C=10.0\text{A}, I_B=1.0\text{A}$	-	-	3	V
$V_{BE(ON)}$	$V_{CE}=5.0\text{V}, I_C=8.0\text{A}$	-	-	2.2	V
f_T	$V_{CE}=5\text{V}, I_C=1.0\text{A}$	30	-	-	MHz
C_{ob}	$V_{CE}=10\text{V}, I_E=0, f=1.0\text{MHz}$	-	-	600	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	$R_{th(j-c)}$	-	0.625	$^\circ\text{C/W}$

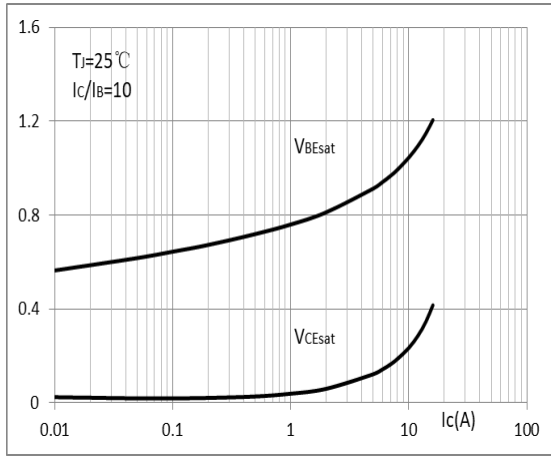
特征曲线 **ELECTRICAL CHARACTERISTICS (curves)**



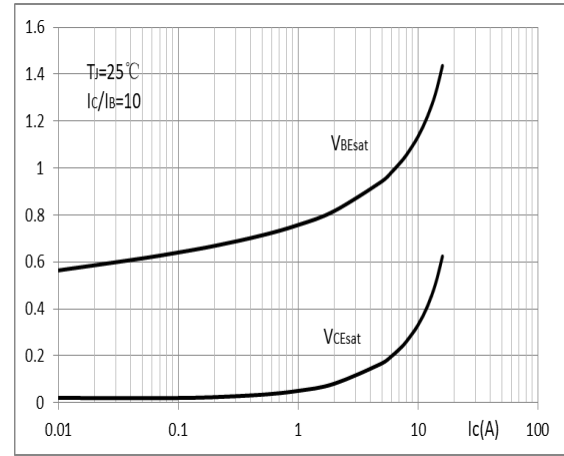


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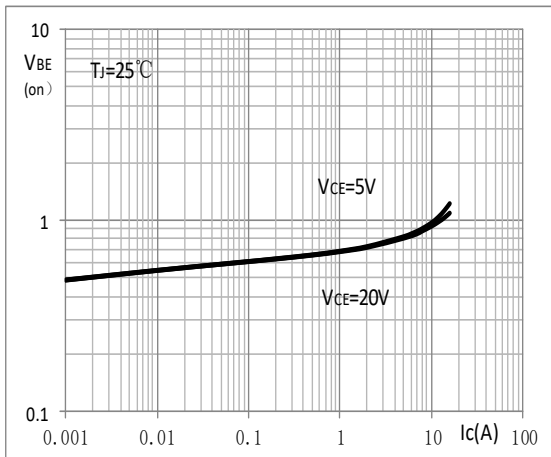
$V_{BE(sat)} - I_C / V_{CE(sat)} - I_C$ (BA15N26B)



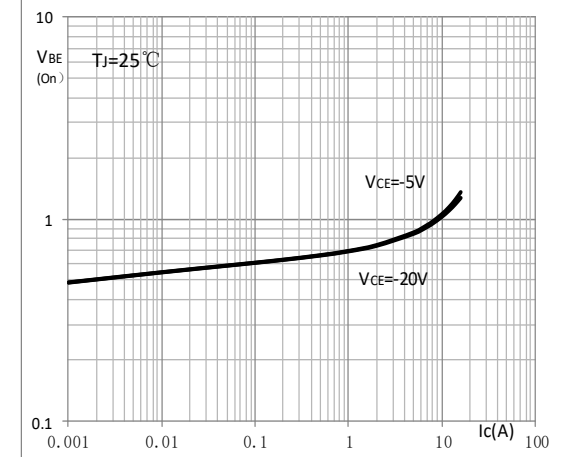
$V_{BE(sat)} - I_C / V_{CE(sat)} - I_C$ (BA15P26B)



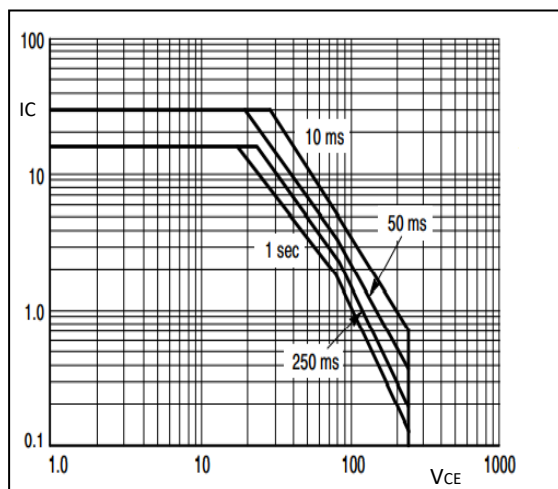
$V_{BE(on)} - I_C$ (BA15N26B)



$V_{BE(on)} - I_C$ ((BA15P26B)



SOA

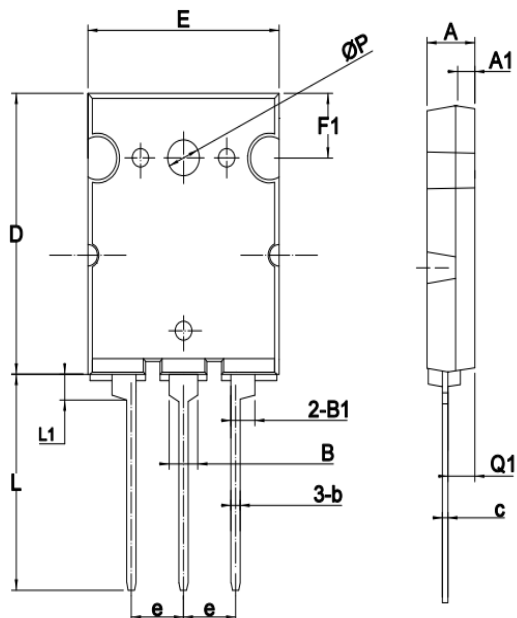




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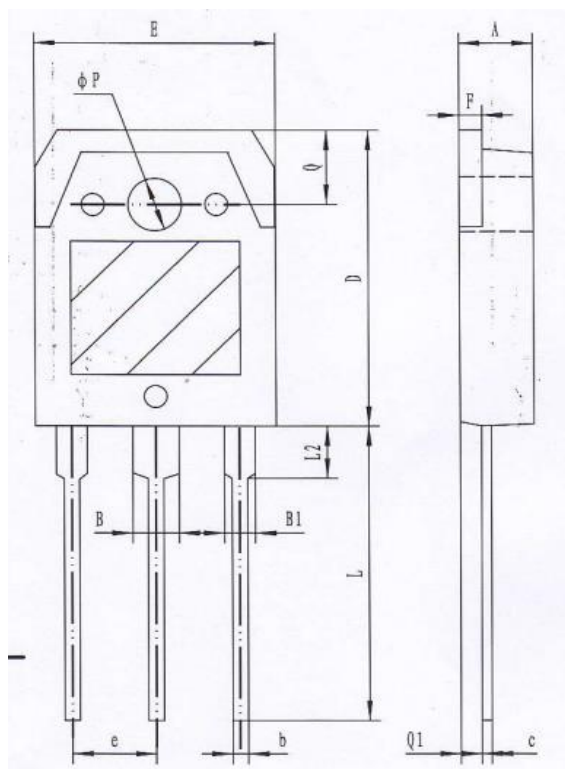
外形尺寸 PACKAGE MECHANICAL DATA

TO-3PL



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

TO-3PB



符号 symbol	MIN	MAX
A	4.60	5.00
B	2.90	3.20
B1	1.90	2.20
b	0.90	1.10
c	0.50	0.70
D	19.40	20.40
E	15.40	15.80
e	5.45 (TYP)	
F	1.40	1.60
L	19.50	20.50
L2	3.30	3.70
Q	4.90	5.10
Q1	1.30	1.50
P	3.10	3.50





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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。

NOTE

1. Jilin Sino-microelectronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
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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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