

MJW21196-N62

用途

高保真音响及其他线性应用

APPLICATIONS

High fidelity audio amplifier and other linear applications

产品特性

高集电极电压 $V_{ce0}=250V$ (min)

宽安全工作区

与 MJW21195-P62 互补

RoHS 产品

FEATURE

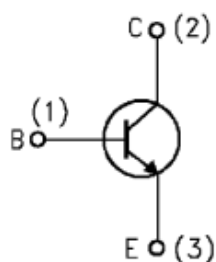
High collector $V_{ce0}=250V$ (min)

Exceptional Safe Operating Area

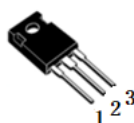
Complementary to MJL21195-P62

RoHS product

封装 Package



TO-247



- 1. 基极 BASE
- 2. 集电极 COLLECTOR
- 3. 发射极 EMITTER

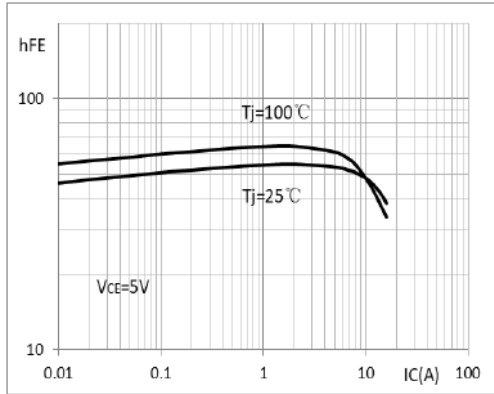
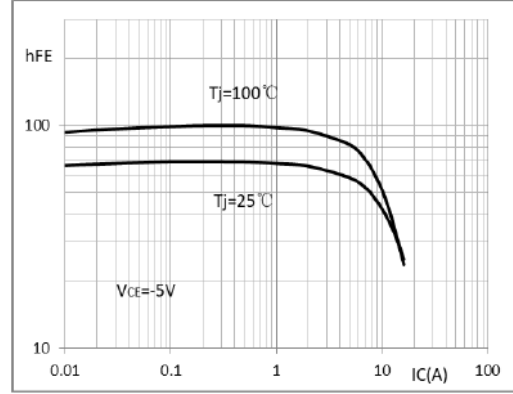
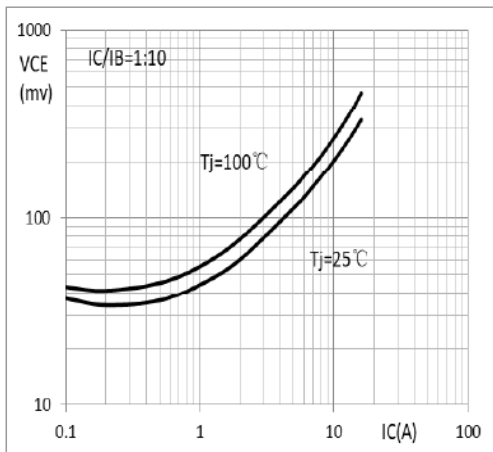
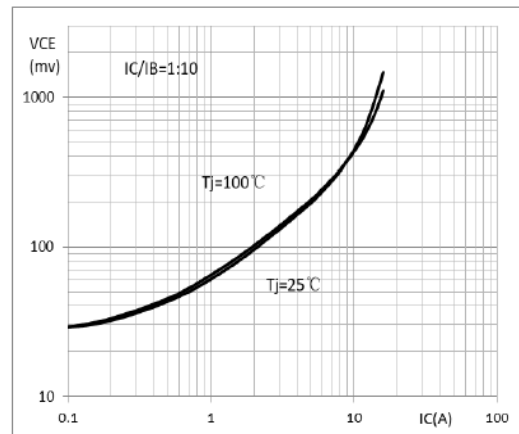
绝对最大额定值 Absolute Ratings ($T_c=25^{\circ}C$)

项目 Parameter	符号 Symbol	数值 Value	单位 Unit
集电极-发射极直流电压 Collector-Base Voltage	V_{CB0}	400	V
集电极-发射极直流电压 Collector-Emitter Voltage	V_{CE0}	250	V
发射极-基极直流电压 Emitter-Base Voltage	V_{EB0}	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
最大集电极耗散功率 Total Dissipation	PD	200	W
最高结温 Operating Junction Temperature	T_J	+150	$^{\circ}C$
存储温度 Storage Temperature Range	T_{STG}	-55~+150	$^{\circ}C$

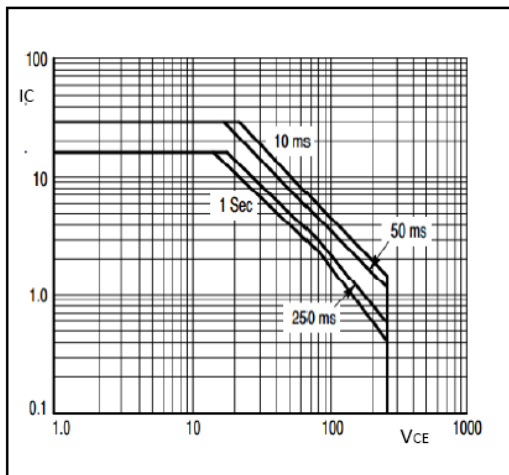
电特性 Electrical Characteristics

项 目 Parameter	测试条件 Tests conditions	最小 Min	典型 Typ	最大 Max	单位 Units
$V_{(BR)CEO}$	$I_C=10mA, I_B=0$	250	-	-	V
V_{CBO}	$I_C=1mA, I_B=0$	400	-	-	V
V_{EBO}	$I_E=1mA, I_C=0$	5	-	-	V
I_{CBO}	$V_{CBO}=250V, I_E=0$	-	-	10	μA
I_{EBO}	$V_{EBO}=5V, I_C=0$	-	-	100	μA
$hFE1$	$V_{CE}=5V, I_C=8A$	25	-	100	-
$hFE2$	$V_{CE}=5V, I_C=16A$	8	-	-	-
V_{CESAT}	$I_C=8A, I_B=0.8A$	-	-	1.4	V
$V_{BE(on)}$	$I_C=8A, V_{ce}=5V$	-	-	2.2	V
f_T	$V_{CE}=5V, I_C=1A$	4	-	-	MHz
C_{ob}	$V_{ce}=10V, I_E=0, f=1MHz$	-	-	500	pF
R_{thjc}	结到管壳的热阻 Thermal Resistance Junction Case	-	-	0.7	$^{\circ}C/W$

特性曲线 ELECTRICAL CHARACTERISTICS (curves)

 $h_{FE} - I_C$ (BA16N25A) $h_{FE} - I_C$ (BA16P25A) $V_{CE(sat)} - I_C$ (BA16N25A) $V_{CE(sat)} - I_C$ (BA16P25A)

SOA



外形尺寸 PACKAGE MECHANICAL DATA

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