

# KSB1116 (3CG1116)

## KSB1116A (3CG1116A)

## 硅 PNP 半导体三极管/SILICON PNP TRANSISTOR

用途：用于音频功率放大, 中速开关。

Purpose: Audio frequency power amplifier, medium speed switching.

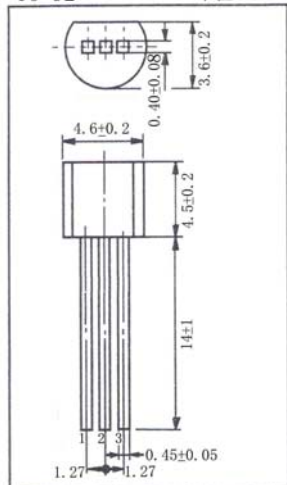
特点：与 KSD1616 (3DG1616)/KSD1616A (3DG1616A) 互补。

Feature: Complementary pair with KSD1616 (3DG1616)/KSD1616A (3DG1616A).

### 极限参数/Absolute maximum ratings (Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V <sub>CB0</sub>	KSB1116 KSB1116A -60 -120	V
V <sub>CE0</sub>	KSB1116 KSB1116A -50 -60	V
V <sub>EBO</sub>	-6.0	V
I <sub>C</sub>	-1.0	A
I <sub>CP</sub>	-2.0	A
P <sub>C</sub>	750	mW
T <sub>j</sub>	150	°C
T <sub>stg</sub>	-55~150	°C

T0-92 单位:mm



引脚: 1. E 2. C 3. B

### 电性能参数/Electrical characteristics (Ta=25°C)

参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
I <sub>CB0</sub>	V <sub>CB</sub> =-60V I <sub>E</sub> =0			-0.1	μA
I <sub>EBO</sub>	V <sub>EB</sub> =-6.0V I <sub>C</sub> =0			-0.1	μA
h <sub>FE(1)</sub>	KSB1116 KSB1116A V <sub>CE</sub> =-2.0V I <sub>C</sub> =-100mA	135	135	600	
h <sub>FE(2)</sub>	V <sub>CE</sub> =-2.0V I <sub>C</sub> =-1.0A	81		400	
V <sub>CE(sat)</sub>	I <sub>C</sub> =-1.0A I <sub>B</sub> =-50mA		-0.2	-0.3	V
V <sub>BE(sat)</sub>	I <sub>C</sub> =-1.0A I <sub>B</sub> =-50mA		-0.9	-1.2	V
V <sub>BE(on)</sub>	V <sub>CE</sub> =-2.0V I <sub>C</sub> =-50mA	-0.60	-0.65	-0.70	V
f <sub>T</sub>	V <sub>CE</sub> =-2.0V I <sub>C</sub> =-100mA	70	120		MHz
C <sub>ob</sub>	V <sub>CB</sub> =-10V I <sub>E</sub> =0 f=1.0MHz		25		pF
t <sub>on</sub>	V <sub>CC</sub> =-10V I <sub>C</sub> =-100mA		0.07		μs
t <sub>stg</sub>	I <sub>B1</sub> =-I <sub>B2</sub> =-10mA		0.7		μs
t <sub>off</sub>	V <sub>BE(off)</sub> =2V~3V		0.07		μs

h<sub>FE(1)</sub> 分档/h<sub>FE(1)</sub> classifications: Y:135~270 G:200~400 L:300~600

KSB1116 (3CG1116)  
KSB1116A (3CG1116A)

