

用途：用于中功率放大。

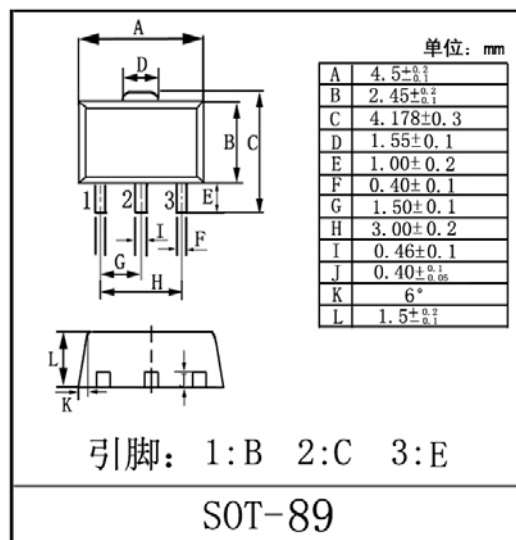
Purpose: Medium power amplifier applications.

特点：饱和压降低, 与 2SD1664 (3DG1664) 互补。

Features: Low saturation voltage, complements the 2SD1664 (3DG1664).

极限参数/Absolute maximum ratings($T_a=25^{\circ}\text{C}$)

参数符号 Symbol	数值 Rating	单位 Unit
V_{CB0}	-40	V
V_{CE0}	-32	V
V_{EB0}	-5.0	V
I_C	-1.0	A
I_{CP}	-2.0	A
P_C	500	mW
$P_C (T_c=25^{\circ}\text{C})$	2.0	W
T_j	150	$^{\circ}\text{C}$
T_{stg}	-55~150	$^{\circ}\text{C}$

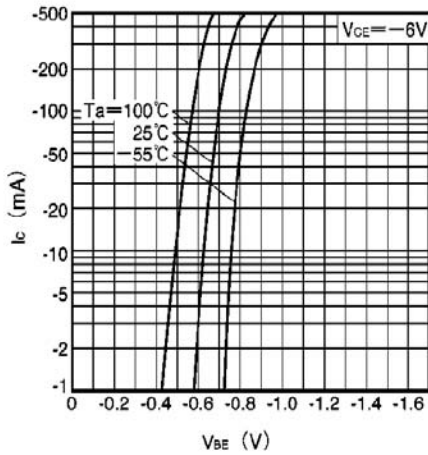
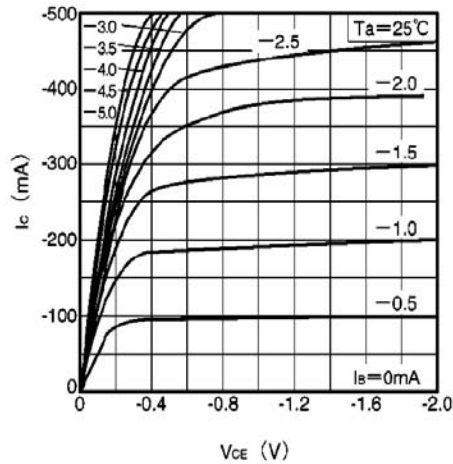
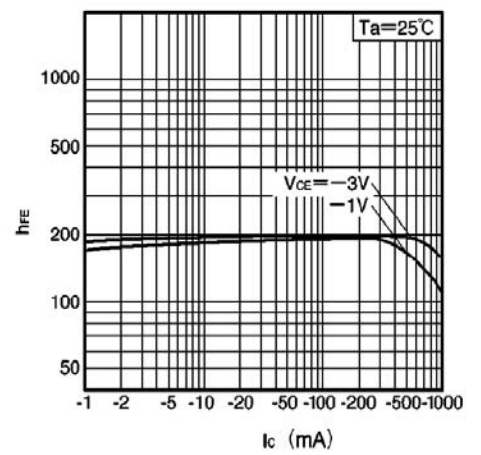
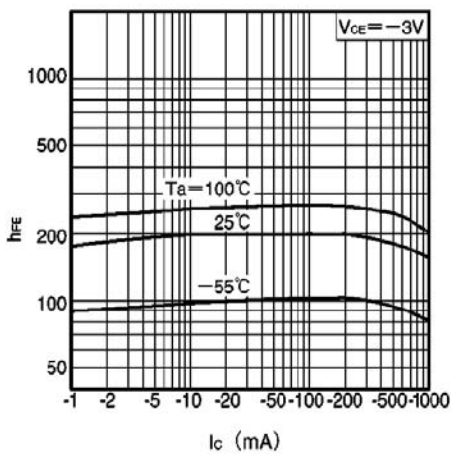
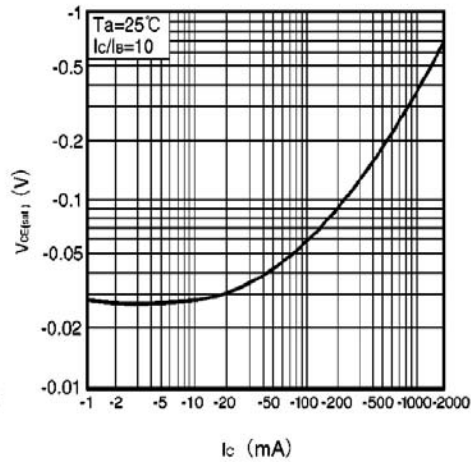
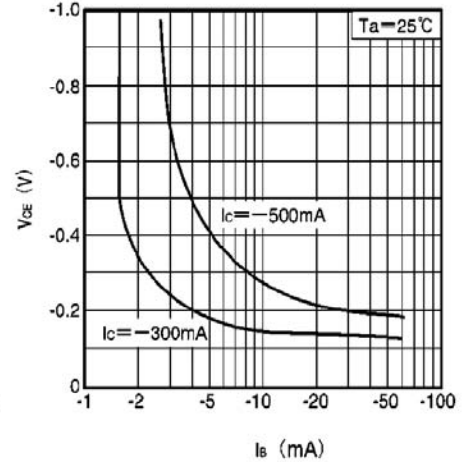
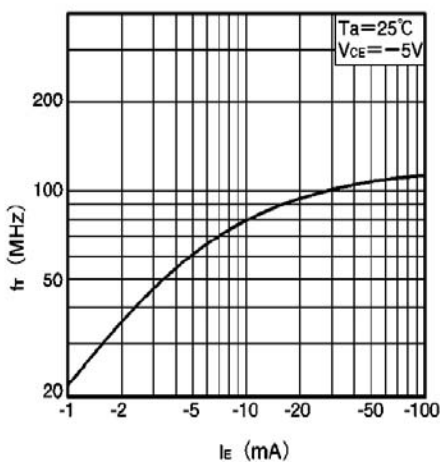
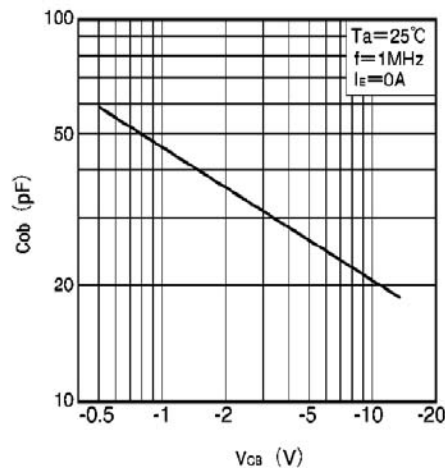


电性能参数/Electrical characteristics($T_a=25^{\circ}\text{C}$)

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	
V_{CB0}	$I_C = -50 \mu\text{A}$ $I_B = 0$	-40			V
V_{CE0}	$I_C = -1.0\text{mA}$ $I_B = 0$	-32			V
V_{EB0}	$I_E = -50 \mu\text{A}$ $I_C = 0$	-5.0			V
I_{CB0}	$V_{CB} = -20\text{V}$ $I_E = 0$			-0.5	μA
I_{EB0}	$V_{EB} = -4.0\text{V}$ $I_C = 0$			-0.5	μA
h_{FE}	$V_{CE} = -3.0\text{V}$ $I_C = -0.1\text{A}$	82		390	
$V_{CE(sat)}$	$I_C = -500\text{mA}$ $I_B = -50\text{mA}$		-0.2	-0.5	V
f_T	$V_{CE} = -5.0\text{V}$ $I_E = 50\text{mA}$ $f = 30\text{MHz}$		150		MHz
C_{ob}	$V_{CB} = -10\text{V}$ $I_E = 0$ $f = 1.0\text{MHz}$		20	30	pF

h_{FE} 分档、印章/ h_{FE} Classifications、Marking:

h_{FE} 分档 h_{FE} Classifications	P	Q	R
h_{FE} 范围 h_{FE} Range	82~180	120~270	180~390
印章 Marking	HBAP *	HBAQ *	HBAR *

$I_C - V_{BE}$

 $I_C - V_{CE}$

 $h_{FE} - I_C$

 $h_{FE} - I_C$

 $V_{CE(sat)} - I_C$

 $V_{CE} - I_B$

 $f_T - I_E$

 $C_{ob} - V_{CB}$

 $I_C - V_{CE} (SOA)$
