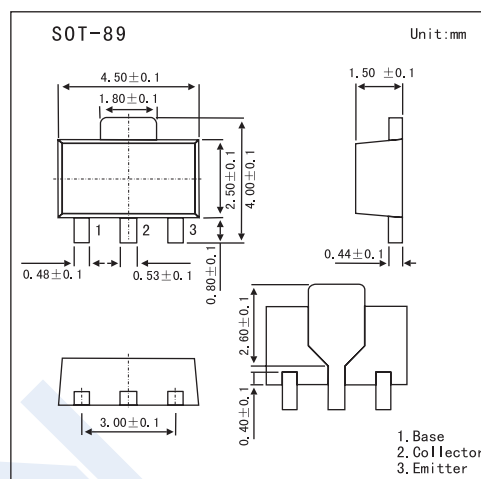


## Low Frequency Power Amplify Applications

## 2SA1364

## ■ Features

- High Voltage  $V_{CE0} = -60V$
- High Collector Current ( $I_c = -1A$ )
- High Collector Dissipation  $P_c = 500mW$
- Small Package For Mounting
- Complementary to 2SC3444

■ Absolute Maximum Ratings  $T_a = 25^\circ C$ 

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CB0}$	-60	V
Collector-Emitter Voltage	$V_{CE0}$	-60	V
Emitter-Base Voltage	$V_{EB0}$	-6	V
Collector Current	$I_c$	-1	A
Peak Collector Current	$I_{CM}$	-2	A
Collector Power Dissipation	$P_c$	500	mW
Jumction temperature	$T_j$	150	$^\circ C$
Storage temperature Range	$T_{stg}$	-55 to +150	$^\circ C$

■ Electrical Characteristics  $T_a = 25^\circ C$ 

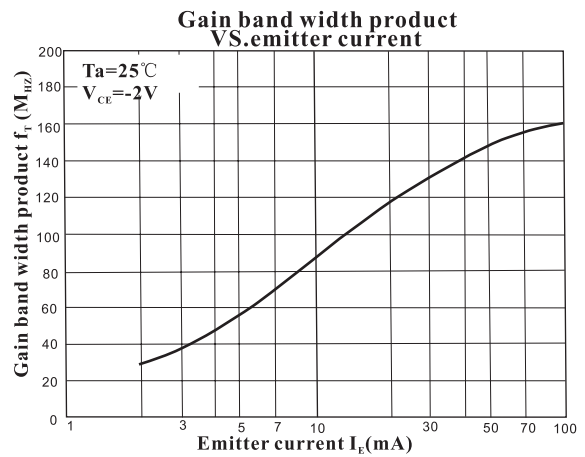
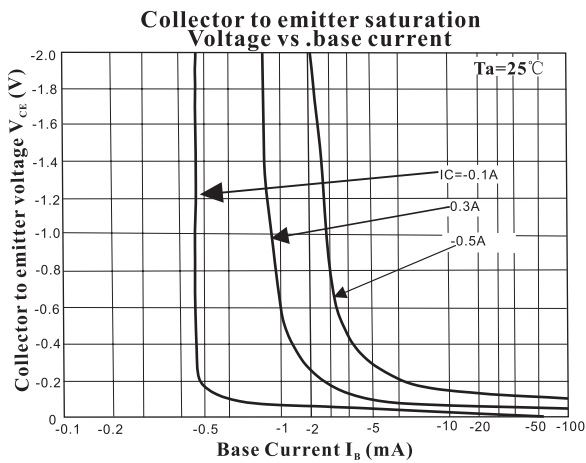
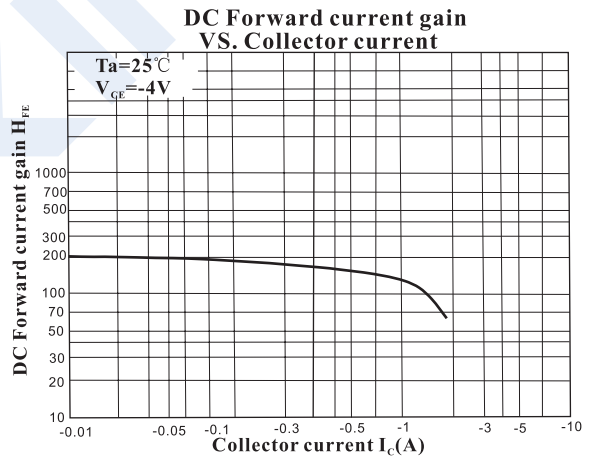
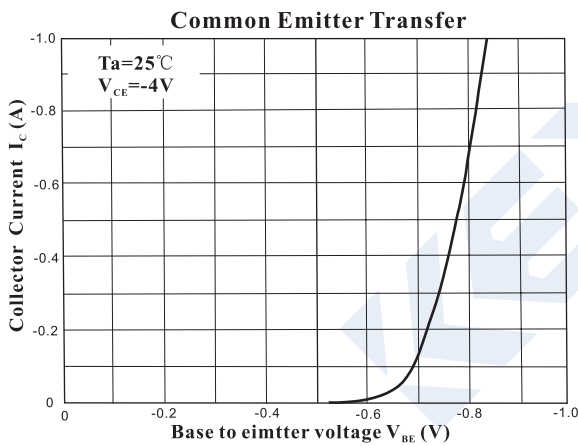
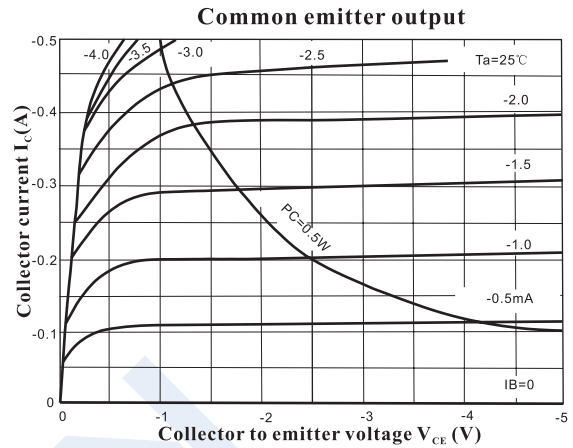
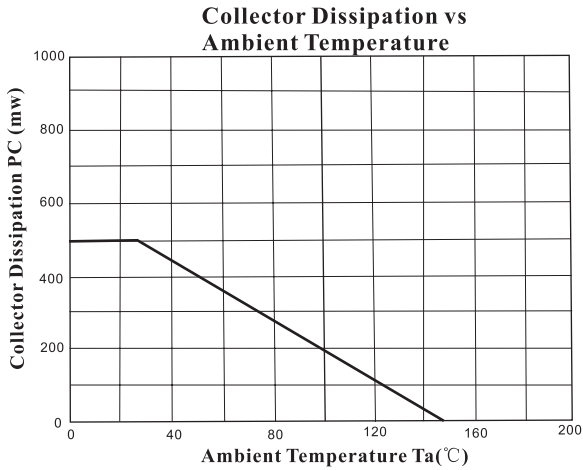
Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector Cut-off Current	$I_{CBO}$	$V_{CB} = -50V, I_E = 0$			-0.2	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB} = -4V, I_C = 0$			-0.2	$\mu A$
Collector-Emitter Breakdown Voltage	$V_{(BR)CE0}$	$I_C = -2mA, R_{BE} = \infty$	-60			V
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = -10\mu A, I_E = 0$	-60			V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = -10\mu A, I_C = 0$	-6			V
DC Current Gain	$h_{FE}$	$V_{CE} = -4V, I_C = 100mA$	55		300	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -500mA, I_B = -25mA$		-0.11	-0.3	V
Transition Frequency	$f_T$	$V_{CE} = -2V, I_E = 10mA$		85		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10V, I_E = 0, f = 1MHz$		22		pF

■  $h_{FE}$  Classification

Marking	C		
	C	D	E
$h_{FE}$	55 ~ 110	90 ~ 180	150 ~ 300

# 2SA1364

## Electrical Characteristics Curves



## 2SA1364

