

2SA1111, 2SA1112

查询"2SA1111P"供应商

Silicon PNP Epitaxial Planar Type

AF Drivers, High Power Amplifiers

Complementary Pair with 2SC2591, 2SC2592

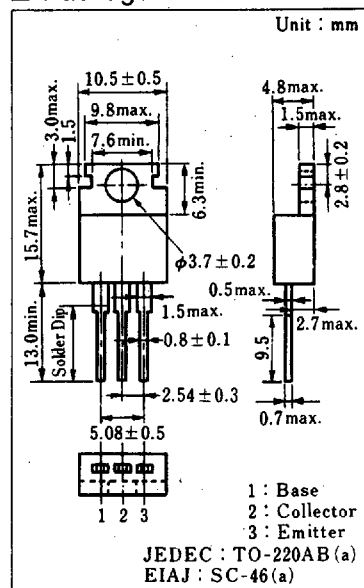
■ Features

- Very good linearity of DC current gain (h_{FE})
- High transition frequency (f_T)
- 60~100W output driver in complementary pair with 2SC2591, 2SC2592

■ Absolute Maximum Ratings (Ta=25°C)

Item		Symbol	Value	Unit
Collector-base voltage	2SA1111	V_{CBO}	-150	V
	2SA1112		-180	
Collector-emitter voltage	2SA1111	V_{CEO}	-150	V
	2SA1112		-180	
Emitter-base voltage		V_{EBO}	-5	V
Peak collector current		I_{CP}	-1.5	A
Collector current		I_C	-1	A
Collector power dissipation ($T_c=25^\circ\text{C}$)		P_C	20	W
Junction temperature		T_j	150	$^\circ\text{C}$
Storage temperature		T_{sig}	-55 ~ +150	$^\circ\text{C}$

■ Package Dimensions



■ Electrical Characteristics (Tc=25°C)

Item	Symbol	Condition	min.	typ.	max.	Unit
Collector-emitter voltage	2SA1111	$I_C = -100\mu A, I_B = 0$	-150			V
	2SA1112		-180			
Emitter-base voltage	V_{EB0}	$I_E = -10\mu A, I_C = 0$	-5			V
DC current gain	h_{FE1}^*	$V_{CE} = -10V, I_C = -150mA$	65	160	330	
	h_{FE2}	$V_{CE} = -5V, I_C = -500mA$	50	100		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500mA, I_B = -50mA$		-0.5	-2.0	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -500mA, I_B = -50mA$		-1.0	-2.0	V
Transition frequency	f_T	$V_{CB} = -10V, I_E = 50mA, f = 200MHz$		200		MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		30	50	pF

*h_{FE1} Classifications

Class	P	Q	R	S
h _{FE1}	65~110	90~155	130~220	185~330

查询"2SA111P"供应商

