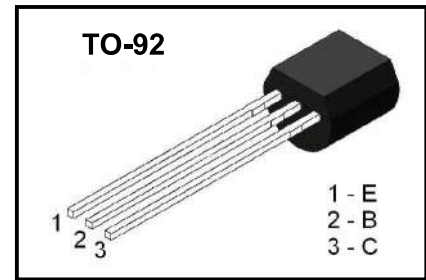


**NPN Plastic-Encapsulate**

**2W Output Amplifier of Portable Radios  
in Class B Push-pull Operation.**

**Features**

- Complimentary to SS8550
- Collector Current:  $I_C=1.5A$
- Collector Power Dissipation:  $P_C=2W$  ( $T_C=25^\circ C$ )


**Absolute Maximum Ratings ( $T_a=25^\circ C$ )**

Parameter	Symbol	Value	Unit
Collector-Base Voltage	$BV_{CBO}$	40	V
Collector-Emitter Voltage	$BV_{CEO}$	25	V
Emitter-Base Voltage	$BV_{EBO}$	6	V
Collector Current	$I_C$	1.5	A
Collector Power Dissipation	$P_C$	1	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature	$T_{stg}$	-55~+150	$^\circ C$

**Electrical Characteristics ( $T_a=25^\circ C$ )**

Parameter	Symbol	Conditions	Value			Unit
			Min	Typ	Max	
Collector-base breakdown voltage	$BV_{CBO}$	$I_C = 100\mu A, I_E = 0$	40			V
Collector-emitter breakdown voltage	$BV_{CEO}$	$I_C = 1mA, I_B = 0$	25			V
Emitter-base breakdown voltage	$BV_{EBO}$	$I_E = 100\mu A, I_C = 0$	6			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = 35V, I_E = 0$			0.1	$\mu A$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = 6V, I_C = 0$			0.1	$\mu A$
DC current gain	$h_{FE1}$	$V_{CE} = 1V, I_C = 5m$	45			
	$h_{FE2}$	$V_{CE} = 1V, I_C = 100mA$	85		300	
	$h_{FE3}$	$V_{CE} = 1V, I_C = 800mA$	40			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 500mA, I_B = 50mA$			0.6	V
base -emitter saturation voltage	$V_{BE(sat)}$	$I_C = 500mA, I_B = 50mA$			1.2	V
Transition frequency	$f_T$	$V_{CE} = 6V, I_B = 20mA$	100			MHz

 **$h_{FE2}$  Classification**

Classification	B	C	D
Range	85-160	120-200	160-320

Typical Characteristics

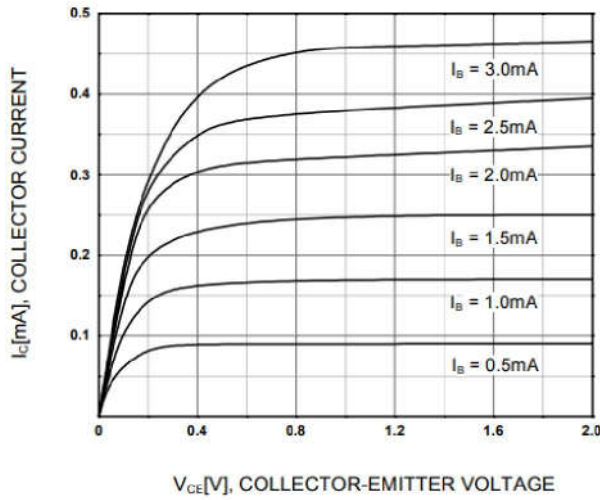


Figure 1. Static Characteristic

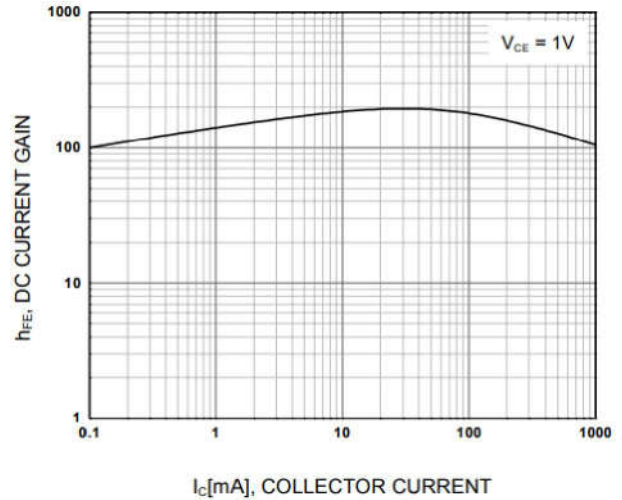


Figure 2. DC current Gain

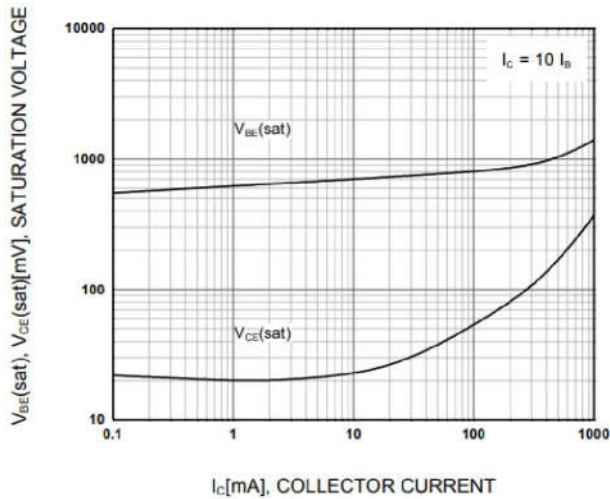


Figure 3. Base-Emitter Saturation Voltage  
Collector-Emitter Saturation Voltage

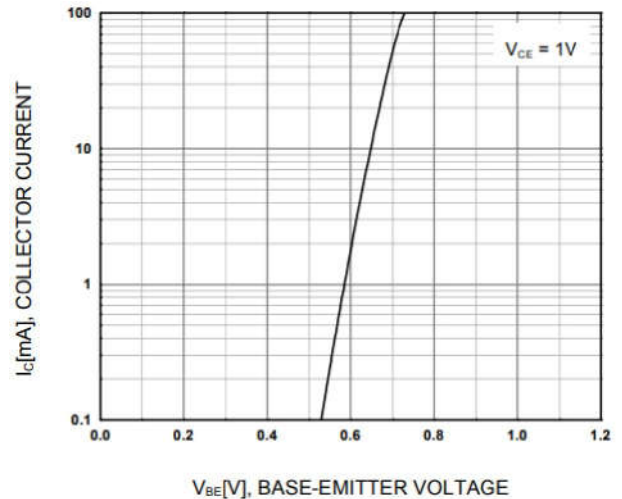


Figure 4. Base-Emitter On Voltage

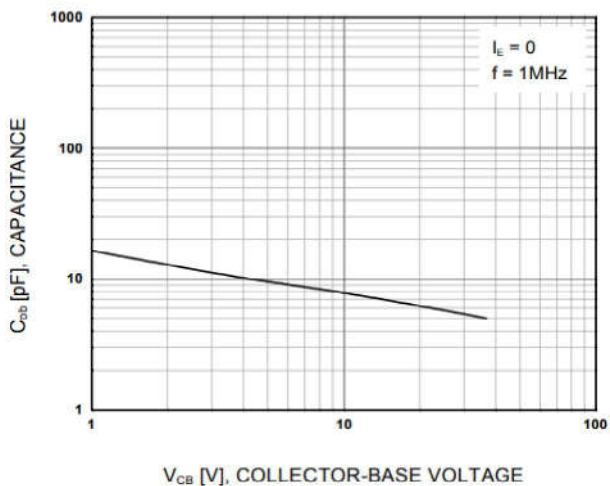


Figure 5. Collector Output Capacitance

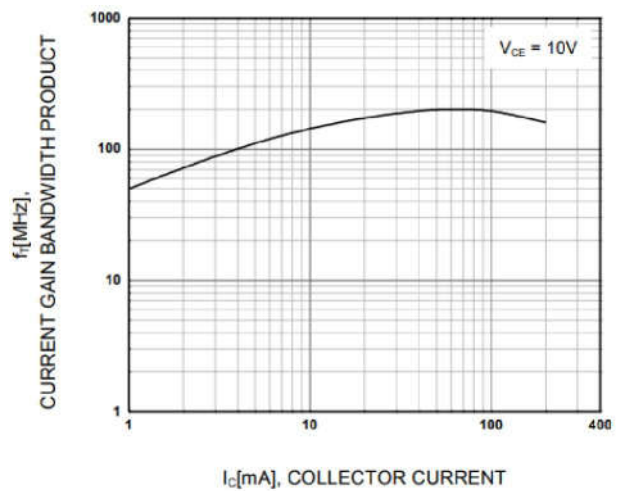


Figure 6. Current Gain Bandwidth Product

Package Dimensions

TO-92

Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	3.30	3.70	0.130	0.146
A1	2.30	2.70	0.091	0.106
b	0.40	0.50	0.016	0.020
b1	0.50	0.70	0.020	0.028
c	0.35	0.45	0.014	0.018
D	4.45	4.70	0.175	0.185
E	4.40	4.65	0.173	0.183
e	1.17	1.37	0.046	0.054
e1	2.34	2.64	0.092	0.104
L	13.50	14.50	0.531	0.571
L1	1.80	2.20	0.071	0.087

Order Information

Part Number	Package	Marking	Packing	Packing Quantity
SS8050	TO-92	SS8050 XXXX	Bag	1000PCS

单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)