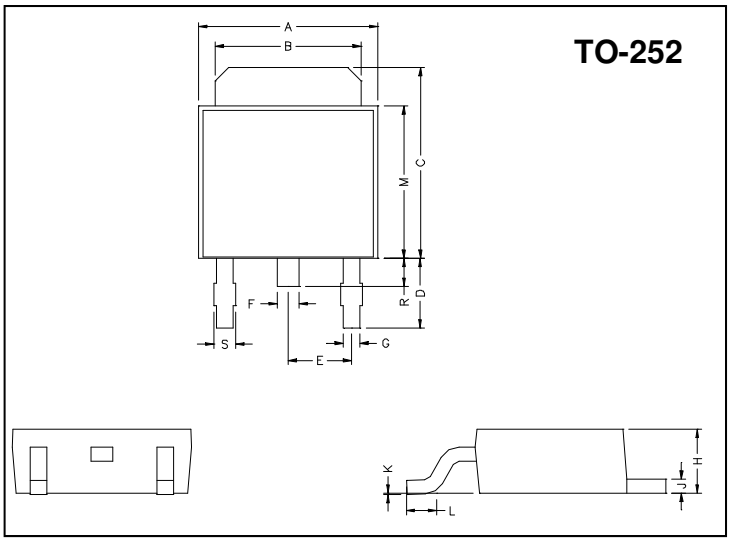
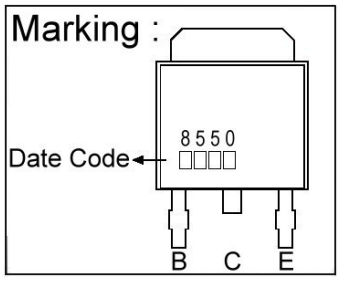
GJ8550 PNP EPITAXIAL TRANSISTOR

Description
The GJ8550 is designed for use in 2W output amplifier of portable radios in class B push-pull operation.

Features
*High Collector current (IC: 1.5A)
*Complementary to GJ8050

Package Dimensions





REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.40	6.80	G	0.50	0.70
B	5.20	5.50	H	2.20	2.40
C	6.80	7.20	J	0.45	0.55
D	2.40	3.00	K	0	0.15
E	2.30 REF.		L	0.90	1.50
F	0.70	0.90	M	5.40	5.80
S	0.60	0.90	R	0.80	1.20

Absolute Maximum Ratings (Ta = 25℃, unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-25	V
Emitter to Base Voltage	V_{EBO}	-6	V
Collect Current	I_C	-1.5	A
Base Current	I_B	-0.5	A
Junction Temperature	Tj	+150	℃
Storage Temperature Range	T_{STG}	-55 ~ +150	℃
Total Power Dissipation	P_D	1.25	W

Electrical Characteristics (Ta = 25℃, unless otherwise specified)

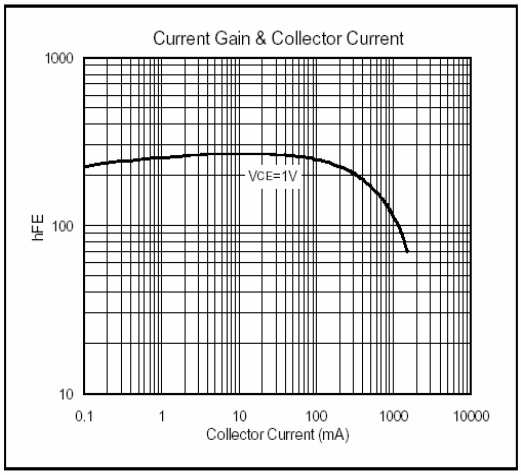
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV_{CBO}	-40	-	-	V	I_C=-100uA
BV_{CEO}	-25	-	-	V	I_C=-2mA
BV_{EBO}	-6	-	-	V	I_E=-100uA
I_{CBO}	-	-	-100	nA	V_{CB}=-35V
I_{EBO}	-	-	-100	nA	V_{BE}=-6V
*$V_{CE(sat)}$	-	-	-0.5	V	I_C=-800mA, I_B=-80mA
*$V_{BE(sat)}$	-	-	-1.2	V	I_C=-800mA, I_B=-80mA
*$V_{BE(on)}$	-	-	-1	V	V_{CE}=-1V, I_C=-10mA
*$h_{FE}1$	45	-	-		V_{CE}=-1V, I_C=-5mA
*$h_{FE}2$	120	-	500		V_{CE}=-1V, I_C=-100mA
*$h_{FE}3$	40	-	-		V_{CE}=-1V, I_C=-800mA
fT	100	-	-	MHz	V_{CE}=-10V, I_C=-50mA, f=100MHz
Cob	-	9	-	pF	V_{CB}=-10V, I_E=0, f=1MHz

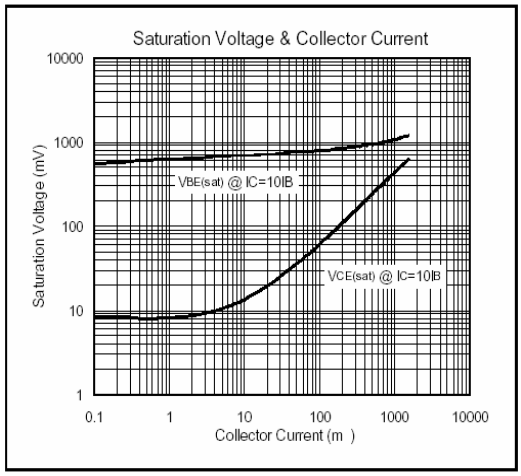
* Pulse Test: Pulse Width≦380μs, Duty Cycle≦2%

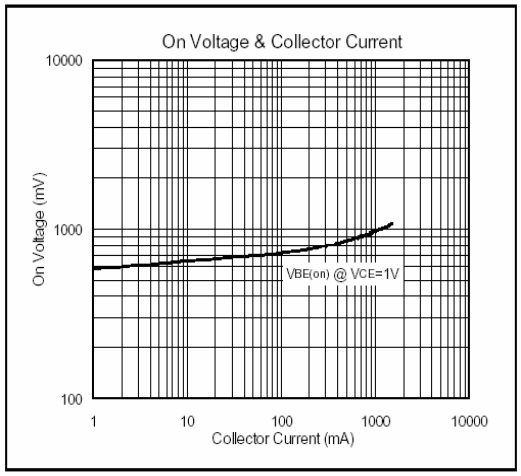
Classification Of $h_{FE}2$

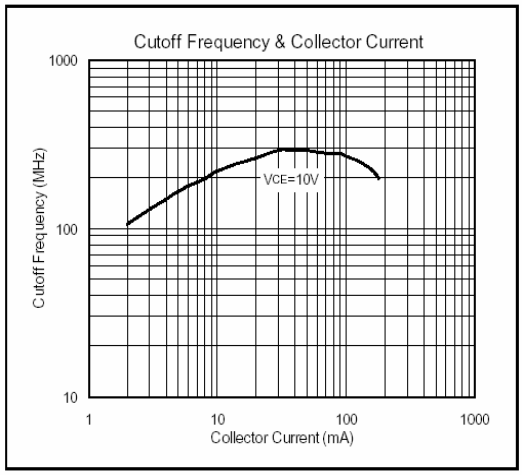
Rank	C	D	E
Range	120 ~ 200	160 ~ 300	250 ~ 500

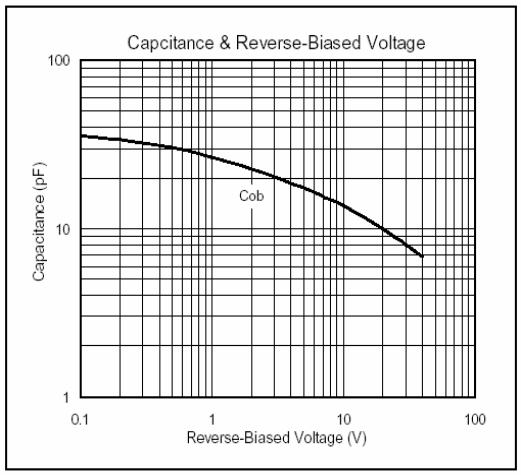
Characteristics Curve

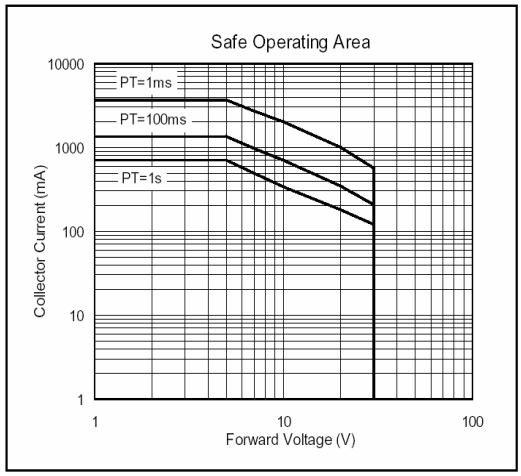












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