

GTM CORPORATION

ISSUED DATE :2005/05/06
REVISED DATE :

GI8550 PNP EPITAXIAL TRANSISTOR

Description

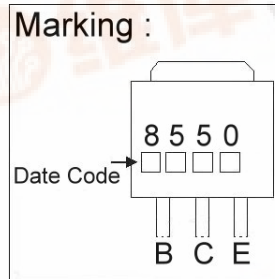
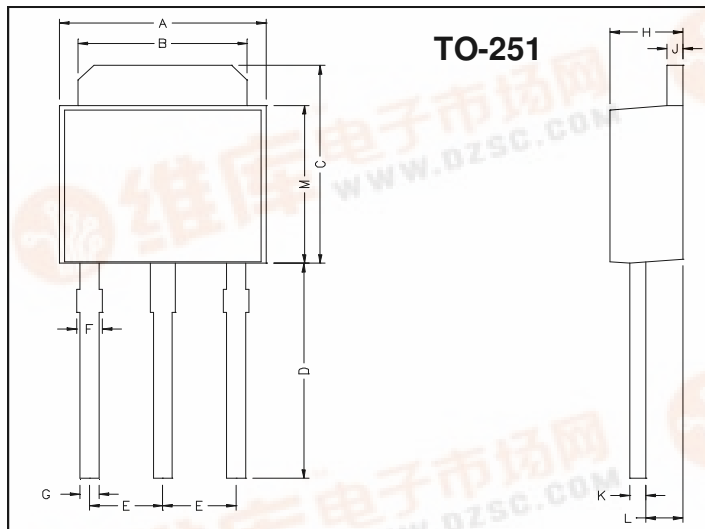
The GI8550 is designed for use in 2W output amplifier of portable radios in class B push-pull operation.

Features

*High Collector current (IC: 1.5A)

*Complementary to GI8050

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	7.20	7.80	K	0.45	0.60
E	2.30 REF.		L	0.90	1.50
F	0.60	0.90	M	5.40	5.80

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

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V _{CB0}	-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	T _j	+150	°C
Storage Temperature Range	T _{STG}	-55 ~ +150	°C
Total Power Dissipation	P _D	1.25	W

Electrical Characteristics (Ta = 25°C, unless otherwise specified)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V _{CB0}	-40	-	-	V	I _c =-100uA
V _{CEO}	-25	-	-	V	I _c =-2mA
V _{EBO}	-6	-	-	V	I _E =-100uA
I _{CB0}	-	-	-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 _{FE1}	45	-	-		V _{CE} =-1V, I _c =-5mA
*h _{FE2}	120	-	500		V _{CE} =-1V, I _c =-100mA
*h _{FE3}	40	-	-		V _{CE} =-1V, I _c =-800mA
f _T	100	-	-	MHz	V _{CE} =-10V, I _c =-50mA, f=100MHz
C _{ob}	-	9	-	pF	V _{CB} =-10V, I _E =0, f=1MHz

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

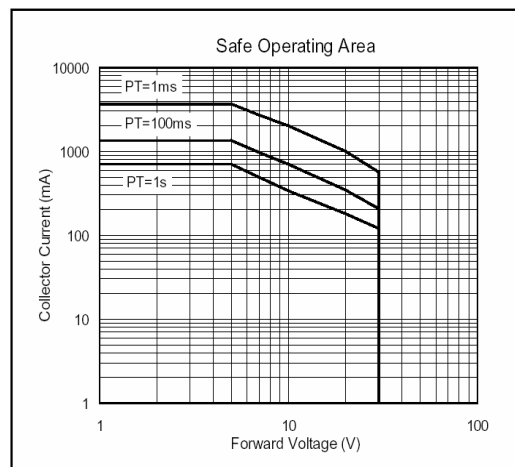
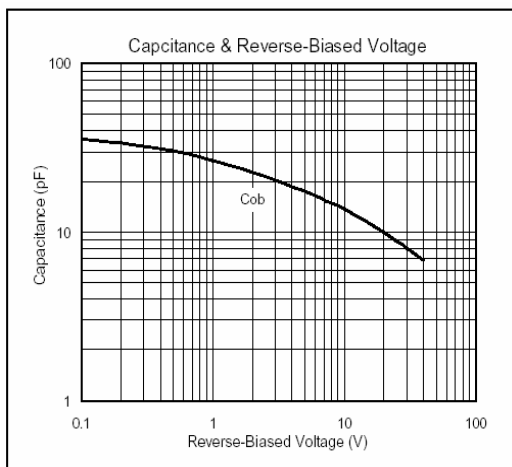
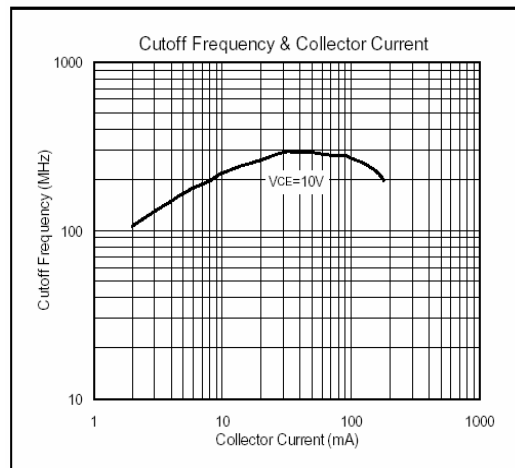
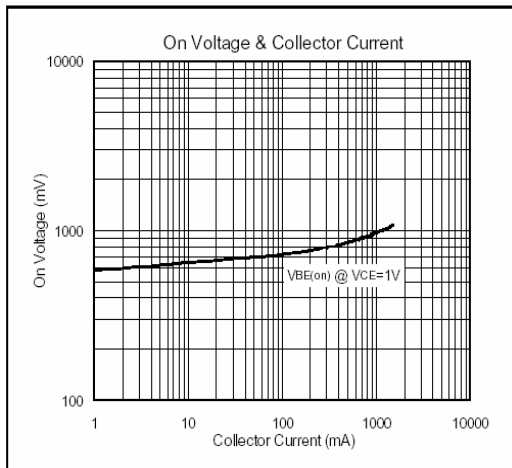
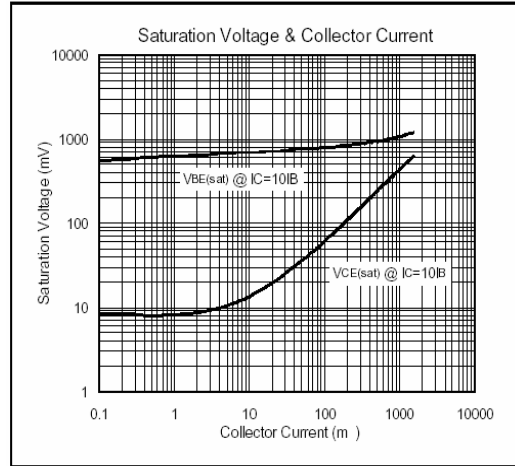
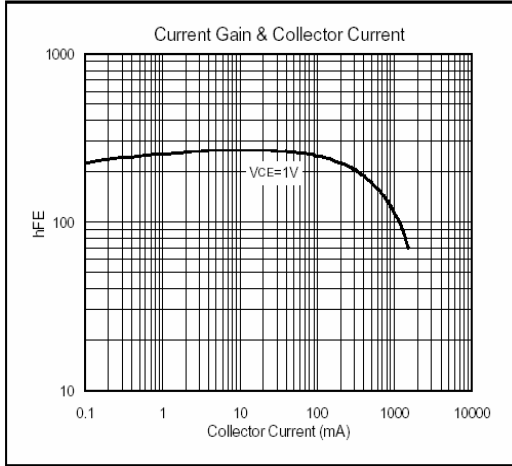
Classification Of hFE2

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



找IC 库一 Rank Range pdf.dzsc.com

Characteristics Curve



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Head Office And Factory:

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165