

G8550S

PNP EPITAXIAL PLANAR TRANSISTOR

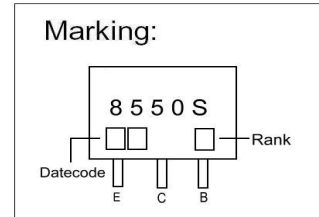
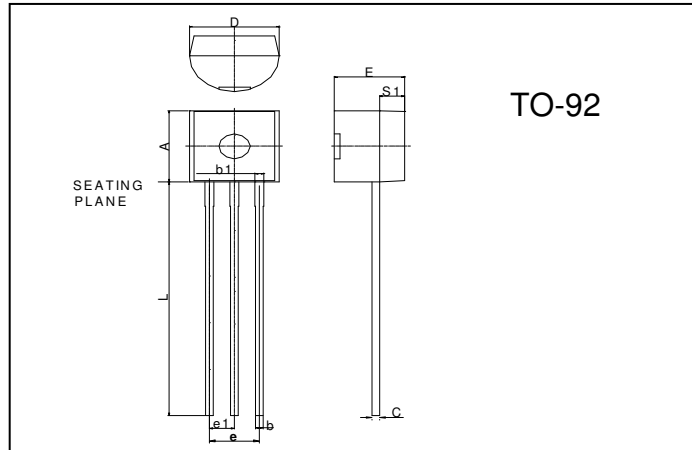
Description

The G8550S is designed for general purpose amplifier applications.

Features

- * High DC Current gain: 100-500 at IC= 150mA
- * Complementary to G8050S

Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.45	4.7	D	4.44	4.7
S1	1.02	-	E	3.30	3.81
b	0.36	0.51	L	12.70	-
b1	0.36	0.76	e1	1.150	1.390
C	0.36	0.51	e	2.42	2.66

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-25	V
Collector to Emitter Voltage	VCEO	-20	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	IC	-700	mA
Total Power Dissipation	PD	625	mW

Characteristics at Ta = 25°C

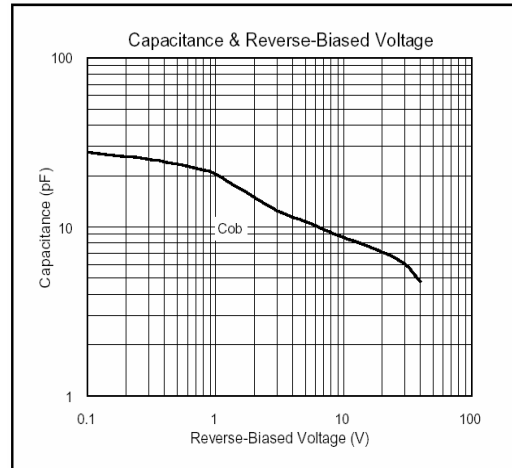
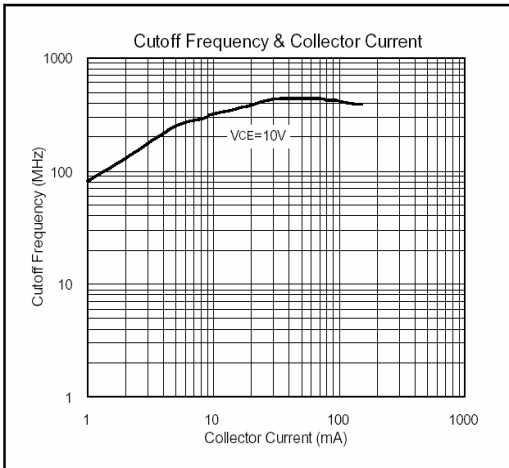
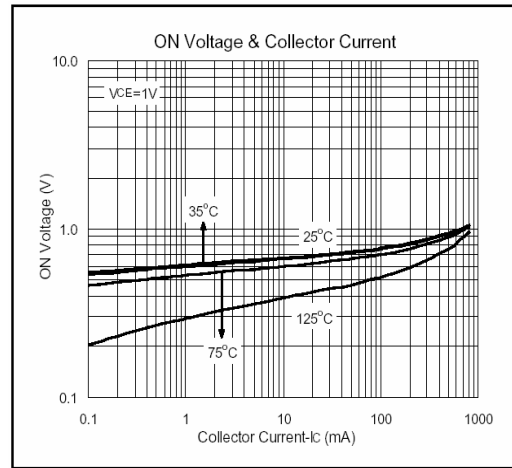
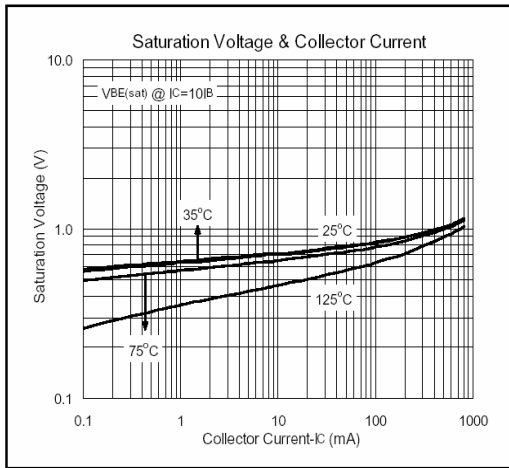
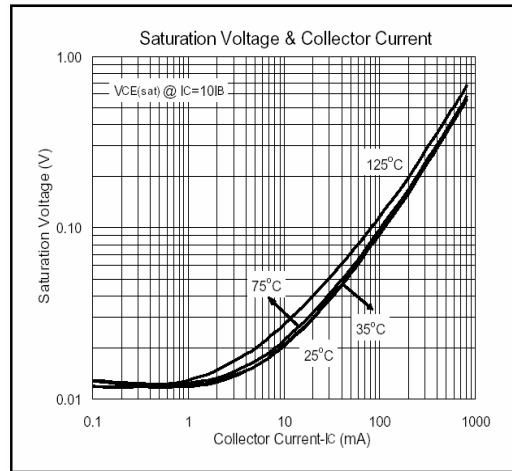
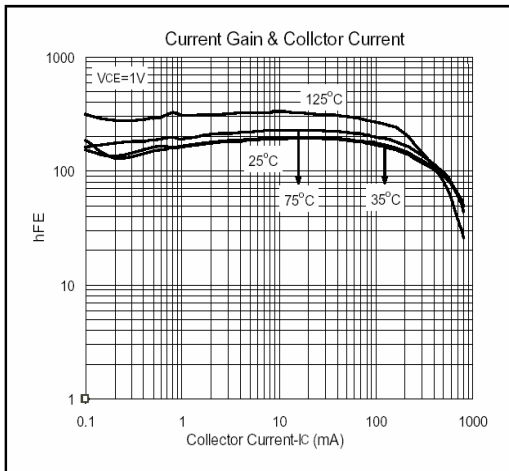
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-25	-	-	V	IC=-10uA, IE=0
BVCEO	-20	-	-	V	IC=-1mA, IB=0
BVEBO	-5	-	-	V	IE=-10uA, IC=0
ICEX	-	-	-1	uA	VCE=-20V, IE=0
*VCE(sat)	-	-	-0.5	V	IC=-0.5A, IB=-50mA
*VBE(on)	-	-	-1	V	VCE=-1V, IC=-150mA
*hFE1	100	-	500		VCE=-1V, IC=-150mA
*hFE2	-	100	-		VCE=-1V, IC=-500mA
fT	150	-	-	MHz	VCE=-10V, IC=-20mA, f=100MHz
Cob	-	-	10	pF	VCB=-10V, f=1MHz

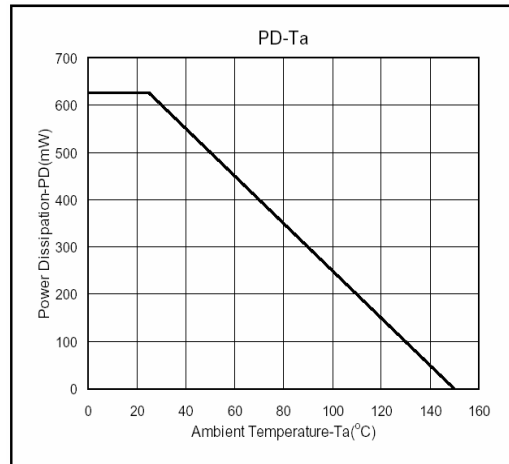
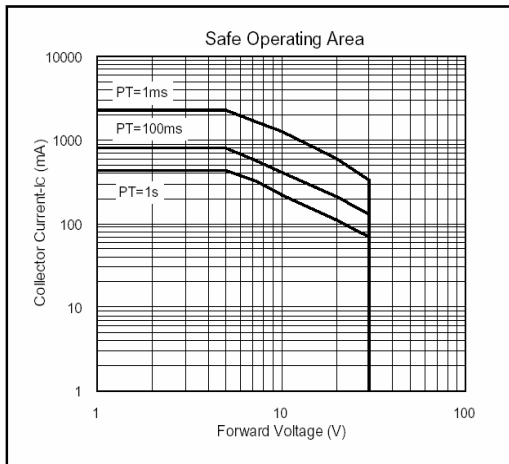
* Pulse Test: Pulse Width ≤ 380us, Duty Cycle ≤ 2%

Classification Of hFE1

Rank	C	D	E
Range	100-180	160-300	250-500

Characteristics Curve





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