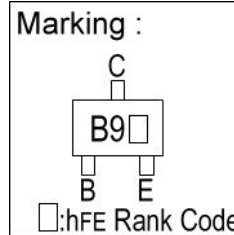
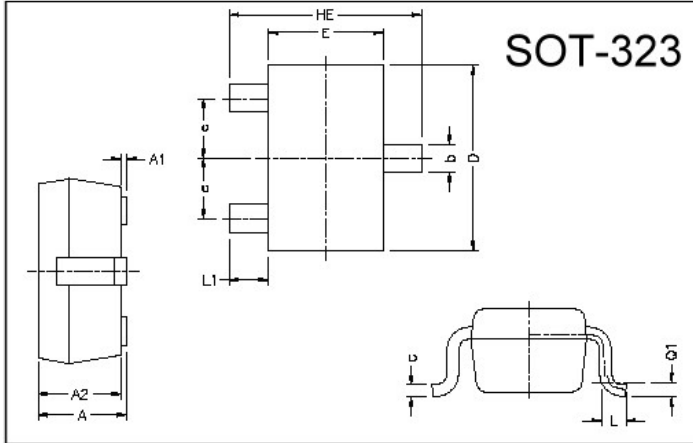


GSMBT8550 PNP EPITAXIAL TRANSISTOR

Description

The GSMBT8550 is designed for general purpose amplifier applications.

Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

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	VCE0	-20	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	Ic	-700	mA
Total Power Dissipation	Pd	225	mW

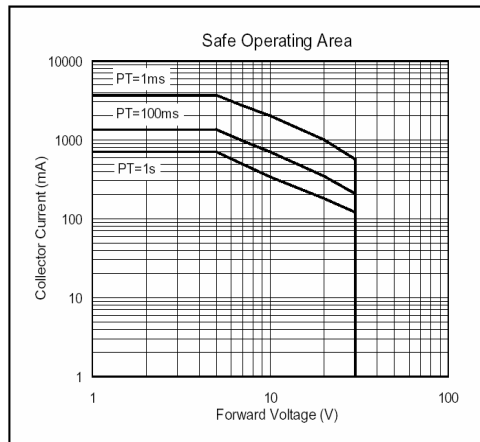
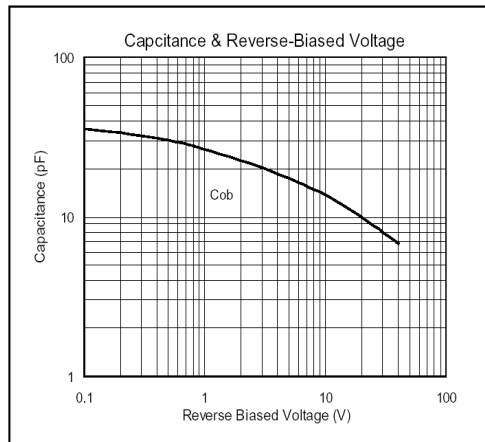
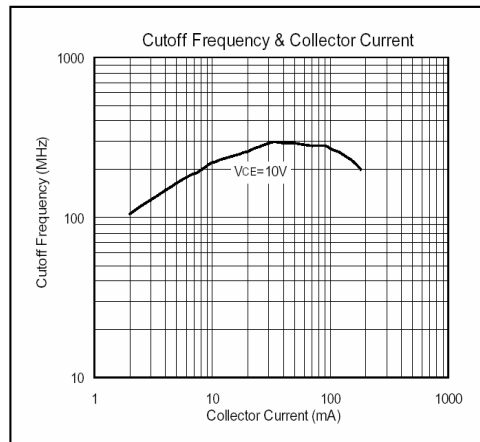
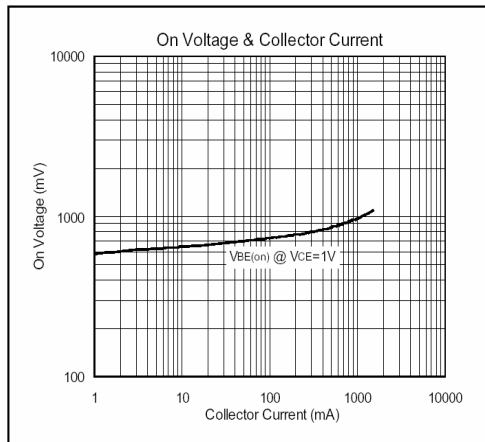
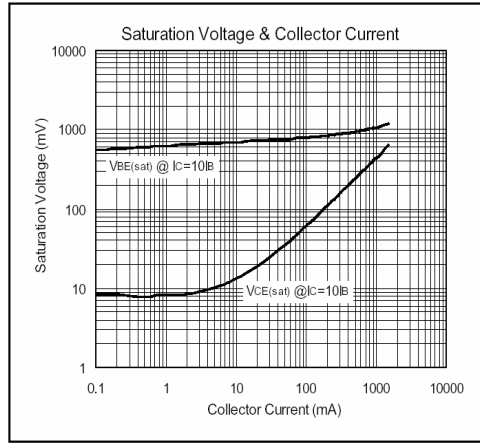
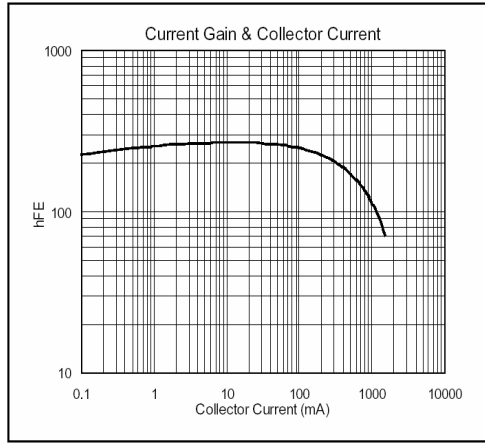
Electrical Characteristics (Ta = 25°C, unless otherwise noted)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVcBO	-25	-	-	V	Ic=-10uA, IE=0
BVCE0	-20	-	-	V	Ic=-1mA, Ib=0
BVEBO	-5	-	-	V	IE=-10uA, Ic=0
IcBO	-	-	-1	uA	VcB=-20V, IE=0
IEBO	-	-	-100	nA	VEB=-5V, Ic=0
VCE(sat)	-	-	-500	mV	Ic=-500mA, Ib=-50mA
VBE(on)	-	-	-1	V	VCE=-1V, Ic=-150mA
hFE	100	-	500		VCE=-1V, Ic=-150mA
fT	150	-	-	MHz	VCE=-10V, Ic=-20mA, f=100MHz
Cob	-	-	10	pF	VcB=-10V, f=1MHz

Classification Of hFE

Rank	B9C	B9D	B9E
Range	100 ~ 200	150 ~ 300	250 ~ 500

Characteristics Curve



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