

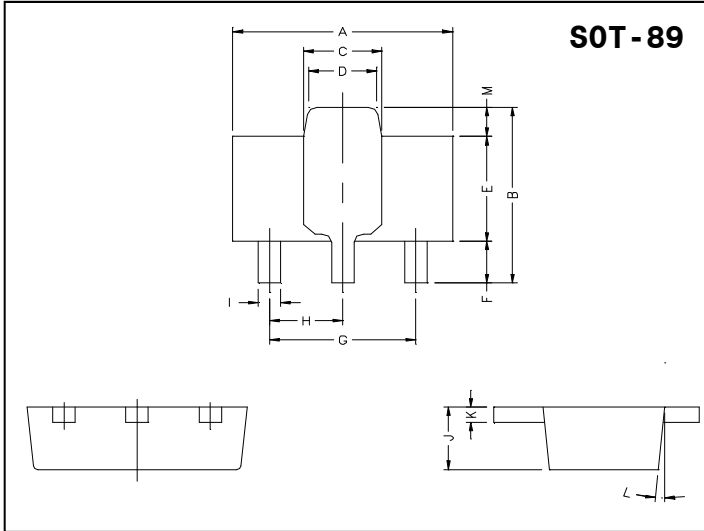
GM8550

PNP EPITAXIAL TRANSISTOR

Description

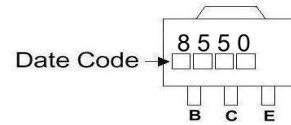
The GM8550 is designed for use in 1W output amplifier of portable radios in class B push-pull operation.

Package Dimensions



SOT-89

Marking :



	Millimeter			Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5° TYP.	
			M	0.70 REF.	

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C
Collector to Base Voltage	BVCBO	-40	V
Collector to Emitter Voltage	BVCEO	-25	V
Emitter to Base Voltage	BVEBO	-6	V
Collector Current	I _C	-1.5	A
Base Current	I _B	-0.5	A
Total Power Dissipation	PD	1	W

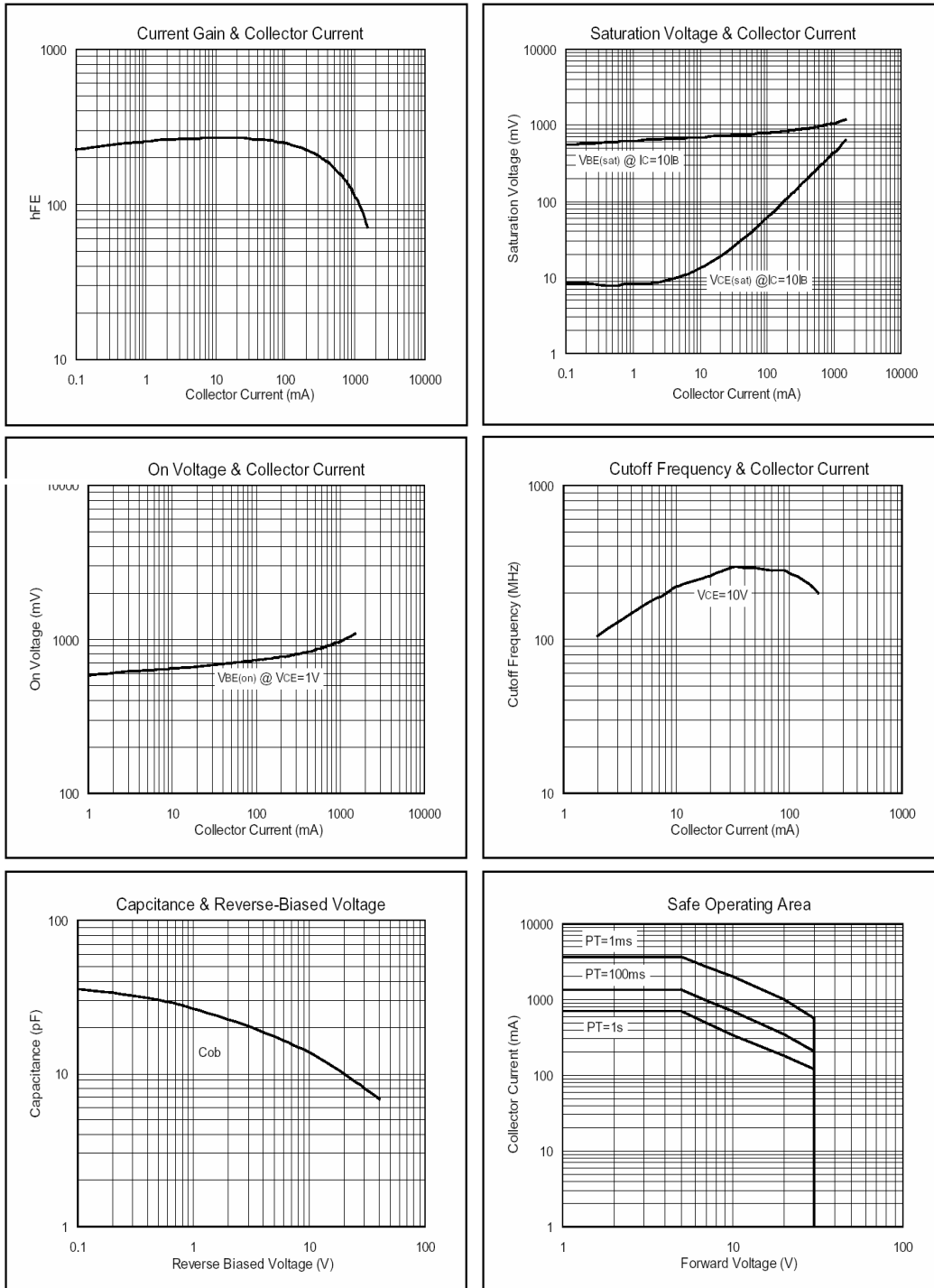
Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-40	-	-	V	I _C =-100uA
BVCEO	-25	-	-	V	I _C =-2mA
BVEBO	-6	-	-	V	I _E =-100uA
ICBO	-	-	-100	nA	V _{CB} =-35V
IEBO	-	-	-100	nA	V _{EB} =-6V
VCE(sat)	-	-	-0.5	V	I _C =-0.8A, I _B =-80mA
VBE(sat)	-	-	-1.2	V	I _C =-0.8A, I _B =-80mA
VBE(on)	-	-	-1	V	V _{CE} =-1V, I _C =-10mA
hfe1	45	-	-		V _{CE} =-1V, I _C =-5mA
hfe2	120	-	500		V _{CE} =-1V, I _C =-100mA
hfe3	40	-	-		V _{CE} =-1V, I _C =-800mA
f _T	100	-	-	MHz	V _{CE} =-10V, I _C =-20mA, f=100MHz

Classification Of hFE

Rank	C	D	E
hFE	120 - 200	160 - 300	250 - 500

Characteristics Curve



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