

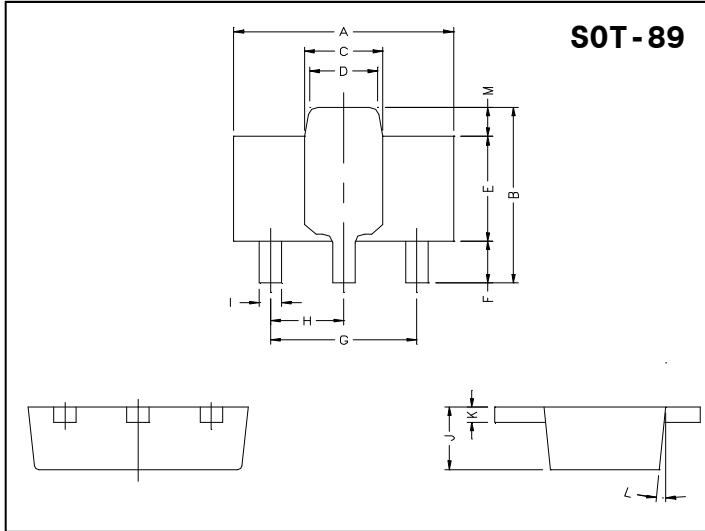
GM8050

NPN EPITAXIAL TRANSISTOR

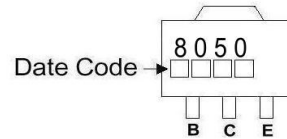
Description

The GM8050 is designed for general purpose amplifier applications.

Package Dimensions



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	V _{CB0}	40	V
Collector to Emitter Voltage	V _{CE0}	25	V
Emitter to Base Voltage	V _{EB0}	6	V
Collector Current	I _C	1.5	A
IB Base Current	I _B	0.5	A
Total Power Dissipation	P _D	1	W

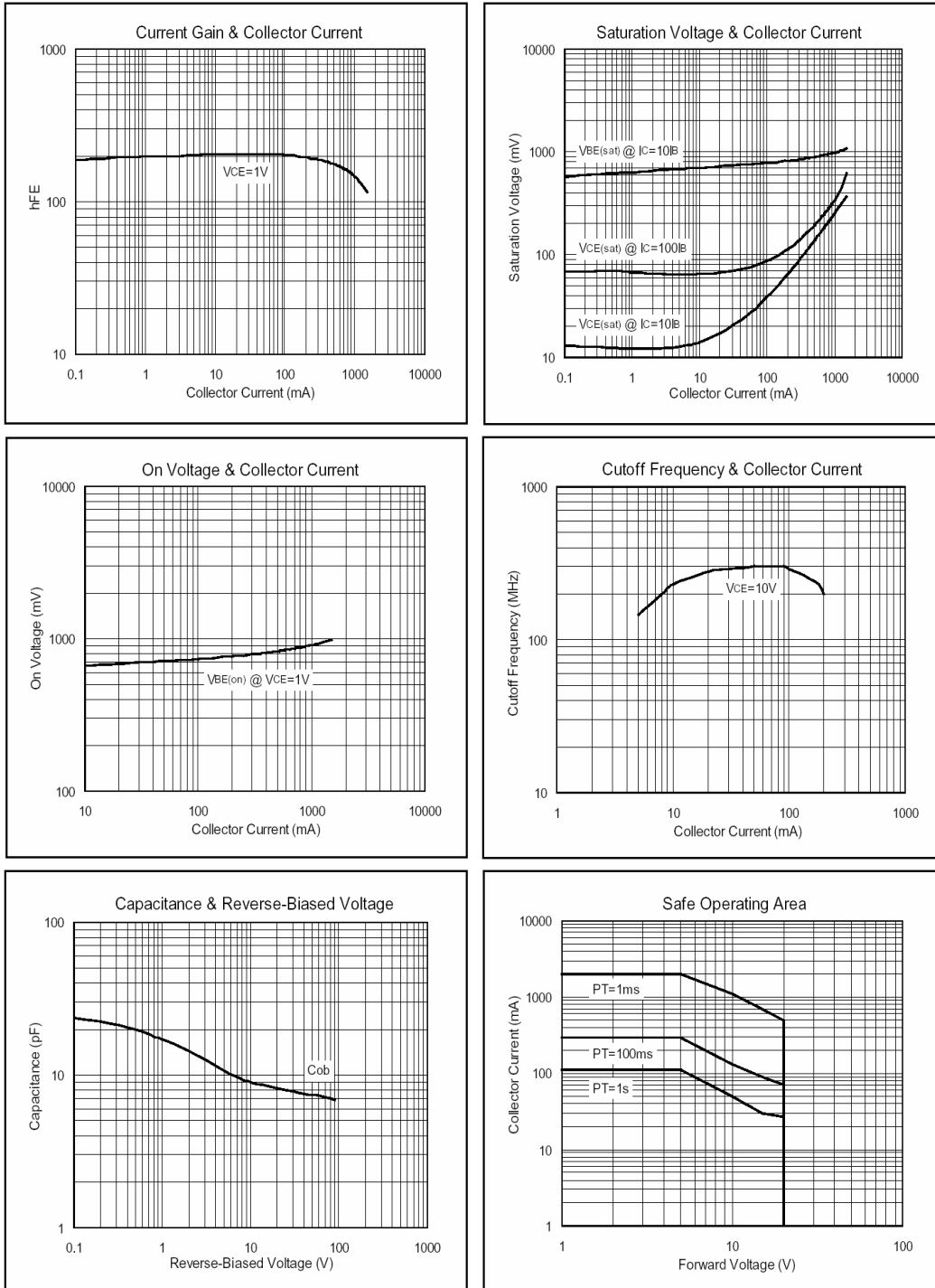
Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V _{CB0}	40	-	-	V	I _C =100uA
V _{CE0}	25	-	-	V	I _C =2mA
V _{EB0}	6	-	-	V	I _E =100uA
I _{CB0}	-	-	100	nA	V _{CB} =35V
I _{EB0}	-	-	100	nA	V _{EB} =6V
V _{CE(sat)}	-	-	0.5	V	I _C =0.8A, I _B =80mA
V _{BE(sat)}	-	-	1.2	V	I _C =0.8A, 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

Classification Of hFE

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

Characteristics Curve



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